

IN THE UNITED STATES DISTRICT COURT
FOR THE NORTHERN DISTRICT OF OHIO
EASTERN DIVISION

IN RE NATIONAL PRESCRIPTION	:	MDL No. 2804
OPIATE LITIGATION	:	CASE NO. 17-MD-2804 (DAP)
	:	
	:	

SUPPLEMENTAL EXPERT REPORT OF CRAIG J. MCCANN, PH.D., CFA
April 3, 2019

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I. Qualifications and Remuneration

1. On March 25, 2019, I filed an Expert Report (the “McCann Report”) in this matter. My Qualifications and Remuneration are contained in the McCann Report §1 and are unchanged.

II. Materials Reviewed

2. The list of Materials Reviewed in preparing the McCann Report are contained in the McCann Report §2 and are unchanged.

III. Assignment

3. The McCann Report contained 24 Figures and 46 Tables in the body and 3,800 pages of additional Figures and Tables and hundreds of thousands of lines of data in Appendices.

4. I have been asked to file this report “McCann Supplemental Expert Report” to supplement the body of the McCann Report with five (5) Tables which present data used in the Figures and Tables in the McCann Report in a slightly different format and which summarize electronic data attached to the McCann Report. I was also asked to supplement the McCann Report Appendices with 90 pages of additional Figures and Tables which I understand may have been used in depositions.

5. These supplemental Figures and Tables were overlooked in the preparation of the McCann Report, are entirely consistent with the McCann Report and do not in any way alter the conclusions I reached therein.

IV. Supplemental Tables in the Body of the McCann Report

6. The following paragraph and Table A should be read as if inserted after Table 25 on page 60 of the McCann Report.

7. Table A reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties using the Trailing Six-Month Maximum Threshold summarized in Table 24 and Table 25.

Table A Trailing Six-Month Maximum Threshold Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

Year	Defendants' Total MME	Flagged MME	%
1996	9,833,620	897,879	9.1%
1997	11,930,647	4,936,834	41.4%
1998	22,197,613	12,500,701	56.3%
1999	32,120,936	18,114,384	56.4%
2000	65,610,099	34,001,101	51.8%
2001	106,891,432	57,974,189	54.2%
2002	165,726,738	84,567,641	51.0%
2003	252,658,951	146,408,558	57.9%
2004	375,729,239	210,931,022	56.1%
2005	638,778,527	364,995,688	57.1%
2006	702,392,875	452,397,437	64.4%
2007	795,251,108	585,200,194	73.6%
2008	817,058,361	622,487,511	76.2%
2009	890,214,272	644,447,207	72.4%
2010	971,518,434	727,034,786	74.8%
2011	988,761,282	774,501,309	78.3%
2012	921,579,337	732,762,124	79.5%
2013	842,813,640	586,989,205	69.6%
2014	745,565,188	569,170,302	76.3%
2015	666,779,100	552,489,339	82.9%
2016	585,111,178	471,441,821	80.6%
2017	473,885,247	385,450,058	81.3%
2018	153,185,178	115,542,352	75.4%
Total	11,235,593,000	8,155,241,640	72.6%

8. The following paragraph and Table B should be read as if inserted after Table 27 on page 64 of the McCann Report.

9. Table B reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Twice Trailing Twelve-Month Average Pharmacy Dosage Units Threshold summarized in Table 26 and Table 27.

Table B Twice Trailing Twelve-Month Average Pharmacy Dosage Units Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

Year	Defendants' Total MME	Flagged MME	%
1996	9,833,620	0	0.0%
1997	11,930,647	6,503,756	54.5%
1998	22,197,613	13,067,476	58.9%
1999	32,120,936	18,474,365	57.5%
2000	65,610,099	39,488,361	60.2%
2001	106,891,432	66,029,018	61.8%
2002	165,726,738	89,640,321	54.1%
2003	252,658,951	122,766,310	48.6%
2004	375,729,239	191,004,125	50.8%
2005	638,778,527	362,396,167	56.7%
2006	702,392,875	443,445,726	63.1%
2007	795,251,108	535,363,660	67.3%
2008	817,058,361	555,107,322	67.9%
2009	890,214,272	611,717,079	68.7%
2010	971,518,434	660,243,772	68.0%
2011	988,761,282	681,914,508	69.0%
2012	921,579,337	639,142,592	69.4%
2013	842,813,640	526,048,319	62.4%
2014	745,565,188	472,719,701	63.4%
2015	666,779,100	446,726,052	67.0%
2016	585,111,178	384,527,111	65.7%
2017	473,885,247	311,598,356	65.8%
2018	153,185,178	104,859,312	68.5%
Total	11,235,593,000	7,282,783,410	64.8%

10. The following paragraph and Table C should be read as if inserted after Table 29 on page 68 of the McCann Report.

11. Table C reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Three Times Trailing Twelve-Month Average Pharmacy Dosage Units Threshold summarized in Table 28 and Table 29.

Table C Three Times Trailing Twelve-Month Average Pharmacy Dosage Units Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

Year	Defendants' Total MME	Flagged MME	%
1996	9,833,620	0	0.0%
1997	11,930,647	5,624,782	47.1%
1998	22,197,613	10,104,466	45.5%
1999	32,120,936	11,042,269	34.4%
2000	65,610,099	21,453,887	32.7%
2001	106,891,432	45,752,131	42.8%
2002	165,726,738	63,585,103	38.4%
2003	252,658,951	77,795,353	30.8%
2004	375,729,239	119,437,340	31.8%
2005	638,778,527	240,177,165	37.6%
2006	702,392,875	285,666,870	40.7%
2007	795,251,108	345,901,638	43.5%
2008	817,058,361	362,265,662	44.3%
2009	890,214,272	394,920,159	44.4%
2010	971,518,434	436,191,409	44.9%
2011	988,761,282	448,460,808	45.4%
2012	921,579,337	428,574,162	46.5%
2013	842,813,640	375,768,987	44.6%
2014	745,565,188	310,252,149	41.6%
2015	666,779,100	286,039,190	42.9%
2016	585,111,178	238,069,737	40.7%
2017	473,885,247	187,912,413	39.7%
2018	153,185,178	64,234,300	41.9%
Total	11,235,593,000	4,759,229,982	42.4%

12. The following paragraph and Table D should be read as if inserted after Table 31 on page 72 of the McCann Report.

13. Table D reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Maximum 8,000 Dosage Units Monthly Threshold summarized in Table 30 and Table 31.

Table D Maximum 8,000 Dosage Units Monthly Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

Year	Defendants'		%
	Total MME	Flagged MME	
1996	9,833,620	327,364	3.3%
1997	11,930,647	1,852,818	15.5%
1998	22,197,613	3,173,904	14.3%
1999	32,120,936	3,731,407	11.6%
2000	65,610,099	9,035,599	13.8%
2001	106,891,432	18,648,645	17.4%
2002	165,726,738	33,704,080	20.3%
2003	252,658,951	71,370,454	28.2%
2004	375,729,239	112,667,196	30.0%
2005	638,778,527	238,571,344	37.3%
2006	702,392,875	322,558,983	45.9%
2007	795,251,108	396,604,508	49.9%
2008	817,058,361	419,567,523	51.4%
2009	890,214,272	488,050,939	54.8%
2010	971,518,434	546,089,567	56.2%
2011	988,761,282	552,444,870	55.9%
2012	921,579,337	543,966,823	59.0%
2013	842,813,640	497,085,553	59.0%
2014	745,565,188	441,824,459	59.3%
2015	666,779,100	407,849,739	61.2%
2016	585,111,178	364,031,540	62.2%
2017	473,885,247	299,870,230	63.3%
2018	153,185,178	92,052,959	60.1%
Total	11,235,593,000	5,865,080,504	52.2%

14. The following paragraph and Table E should be read as if inserted after Table 33 on page 76 of the McCann Report.

15. Table E reports Total MME and % of Total MME in transactions flagged in Cuyahoga and Summit Counties by the Maximum Daily Dosage Units Threshold summarized in Table 32 and Table 33.

Table E Maximum Daily Dosage Units Flagged Transactions, Cuyahoga and Summit Counties, Total MME and % MME

Year	Defendants'		%
	Total MME	Flagged MME	
1996	9,833,620	3,113,857	31.7%
1997	11,930,647	4,663,214	39.1%
1998	22,197,613	7,681,876	34.6%
1999	32,120,936	11,113,527	34.6%
2000	65,610,099	27,573,725	42.0%
2001	106,891,432	46,396,976	43.4%
2002	165,726,738	83,079,525	50.1%
2003	252,658,951	143,970,815	57.0%
2004	375,729,239	215,607,097	57.4%
2005	638,778,527	389,713,156	61.0%
2006	702,392,875	466,724,668	66.4%
2007	795,251,108	551,595,399	69.4%
2008	817,058,361	581,992,791	71.2%
2009	890,214,272	649,412,896	73.0%
2010	971,518,434	700,176,371	72.1%
2011	988,761,282	699,972,949	70.8%
2012	921,579,337	689,763,345	74.8%
2013	842,813,640	631,753,374	75.0%
2014	745,565,188	565,100,827	75.8%
2015	666,779,100	525,349,765	78.8%
2016	585,111,178	465,169,456	79.5%
2017	473,885,247	383,042,521	80.8%
2018	153,185,178	121,310,372	79.2%
Total	11,235,593,000	7,964,278,501	70.9%

V. Figures and Tables Used in Depositions

16. I previously created Figures and Tables which were used in depositions. While they were not necessary for the conclusions I reached in the McCann Report, I attach them herewith and acknowledge them as my work product or have otherwise determined they are fair and accurate representations of what they purport to illustrate and that they are reliable.

A. Cardinal Health

17. I was provided twenty three pages of Figures and Tables attached hereto as Appendix A which purport to provide information regarding the amounts of certain opioids shipped by Cardinal Health to customers located in various geographic areas.

B. Discount Drug Mart

18. I was provided two pages of Figures attached hereto as Appendix B which purport to illustrate the number of dosage units shipped by Discount Drug Mart to pharmacies BD2308155 and BD0995095.

C. HBC/Giant Eagle

19. I was provided forty seven pages of Figures and Tables, which included seven Pharmacy Reports for Giant Eagle pharmacies #4031, #4124, #4029, #4030, #4036, #6376, and #5878 and eight additional Tables which purport to provide information regarding the amounts of certain opioids shipped either by HBC or other Distributors to Giant Eagle pharmacies located in various geographic areas. These Reports and Tables are attached in Appendix C.

D. McKesson

20. I was provided the two pages of Figures attached hereto as Appendix D which purport to illustrate the total dosage units of opioids shipped by McKesson to a) the United States; and b) to Ohio.

E. Walgreens

21. I was provided twelve pages of Figures and Tables that consisted of the three Pharmacy Reports for Walgreens pharmacies BW4673554, BW4147307, and BW6704185 attached hereto as Appendix E, which purport to provide historical information regarding shipments of opioids to those pharmacies.

VI. Flow of Opioids Figures

22. I created Figures illustrating the flow of oxycodone and hydrocodone through Distributors to Pharmacies in Cuyahoga County and Summit County. These Figures were inadvertently excluded from the McCann Report and are attached herewith as Appendix F. The major Labelers are arrayed on the left of each Figure, Distributors in the middle and Dispensers on the right. The Figures give market shares among Labelers to Distributors, among Distributors to Dispensers and among Dispensers.

VII. Conclusion

23. I file this brief supplement to report five (5) Tables which were inadvertently excluded from the body of the McCann Report and 90 pages of Figures and Tables which were inadvertently excluded from the Appendices of the McCann Report filed last week.

24. These supplemental Figures and Tables are entirely consistent with the Figures, Tables and data included in the McCann Report and do not in any way alter the conclusions I reached therein.

A handwritten signature in blue ink, reading "Craig J. McCann", is positioned above a horizontal line.

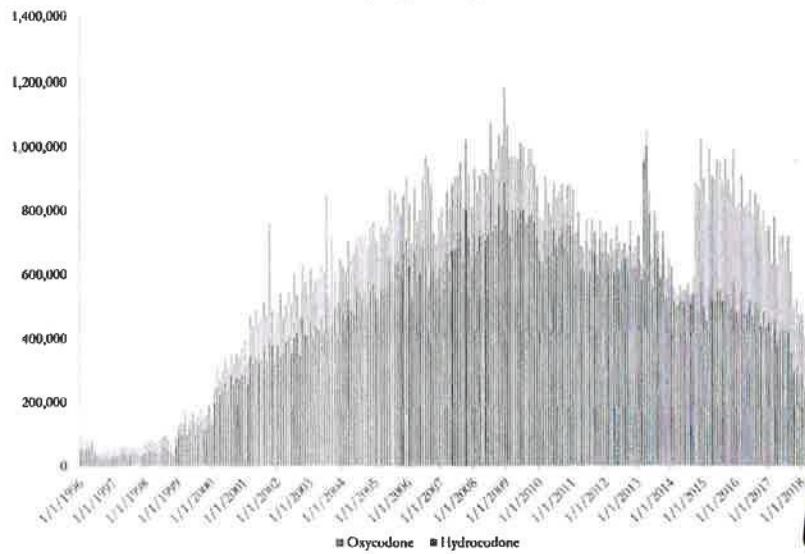
Craig J. McCann, Ph.D., CFA

Appendix A Additional Cardinal Health Figures and Tables

Cuyahoga, OH

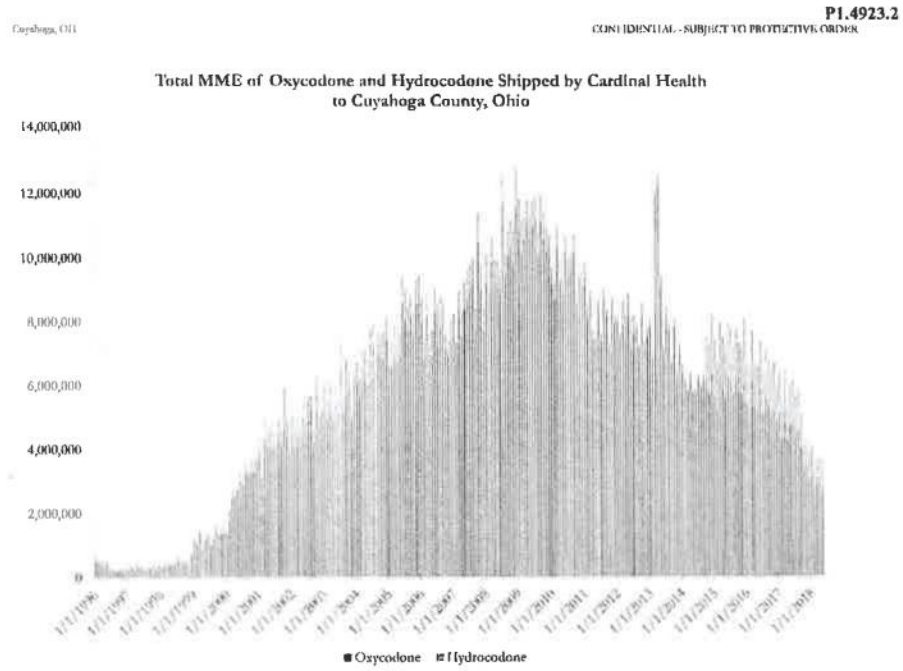
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CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

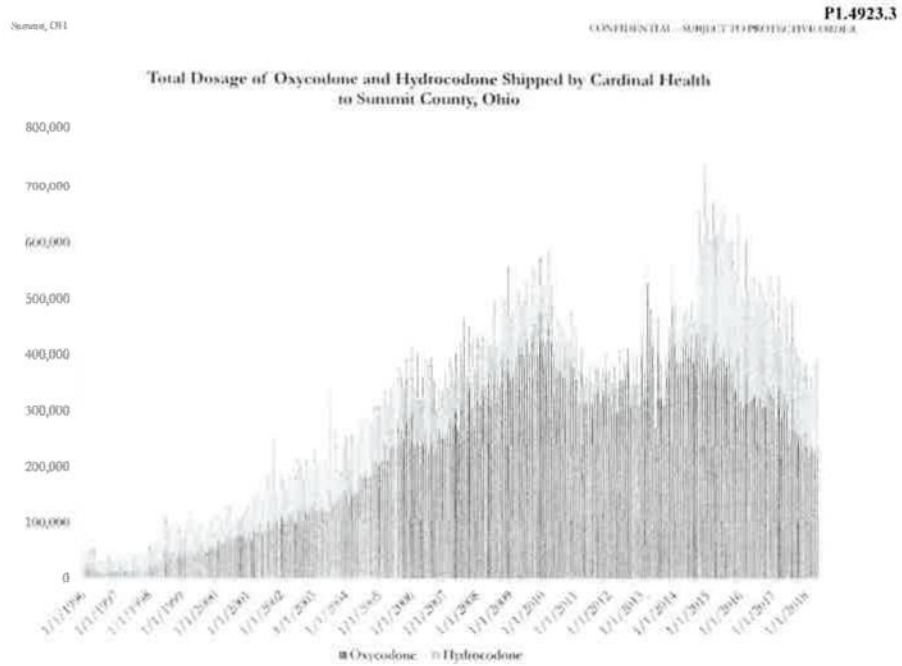
Total Dosage of Oxycodone and Hydrocodone Shipped by Cardinal Health
to Cuyahoga County, Ohio



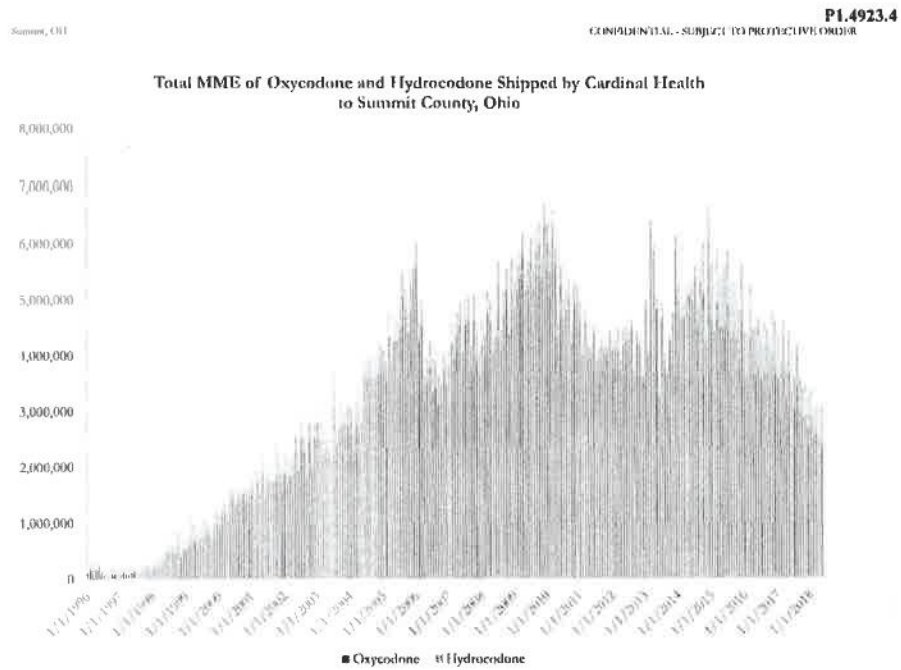
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5 of 8



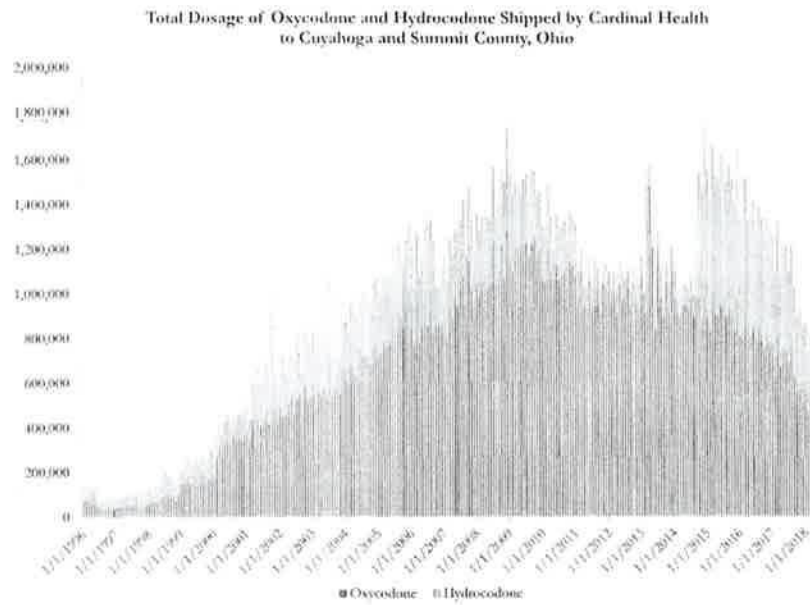


7 of 8

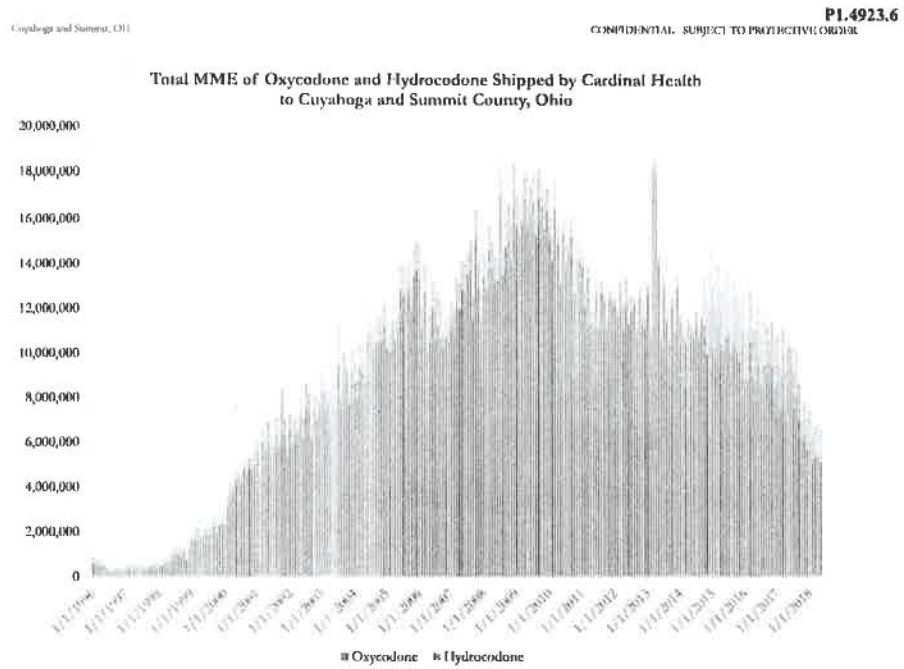


Cuyahoga and Summit, OH

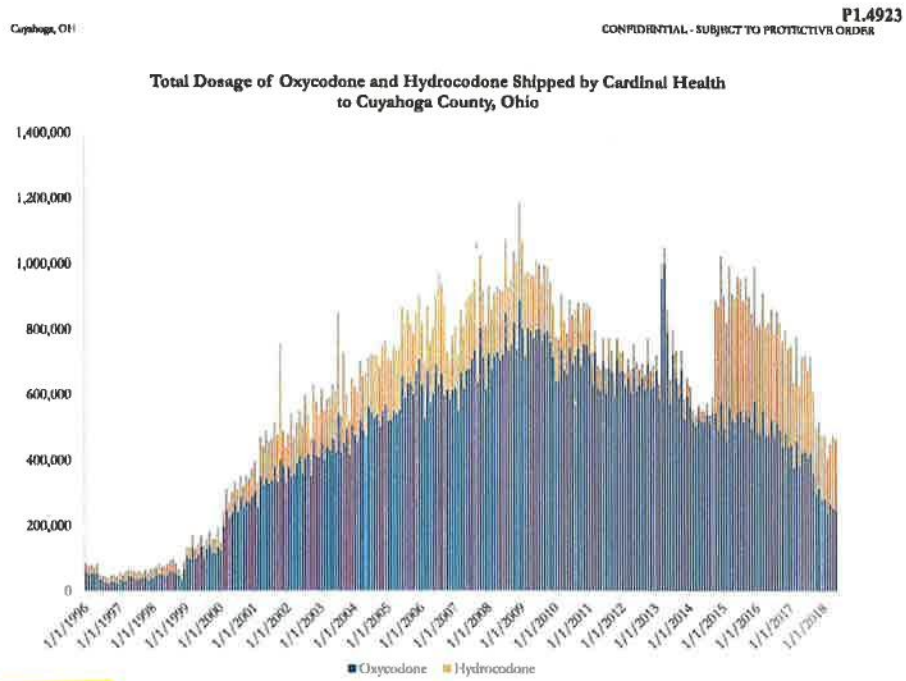
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1 of 2

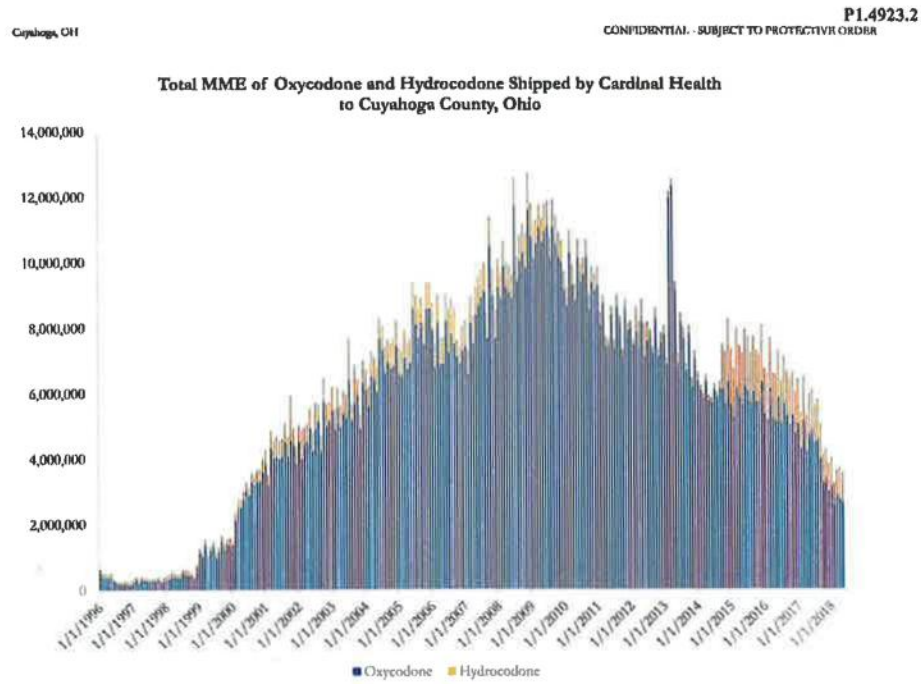


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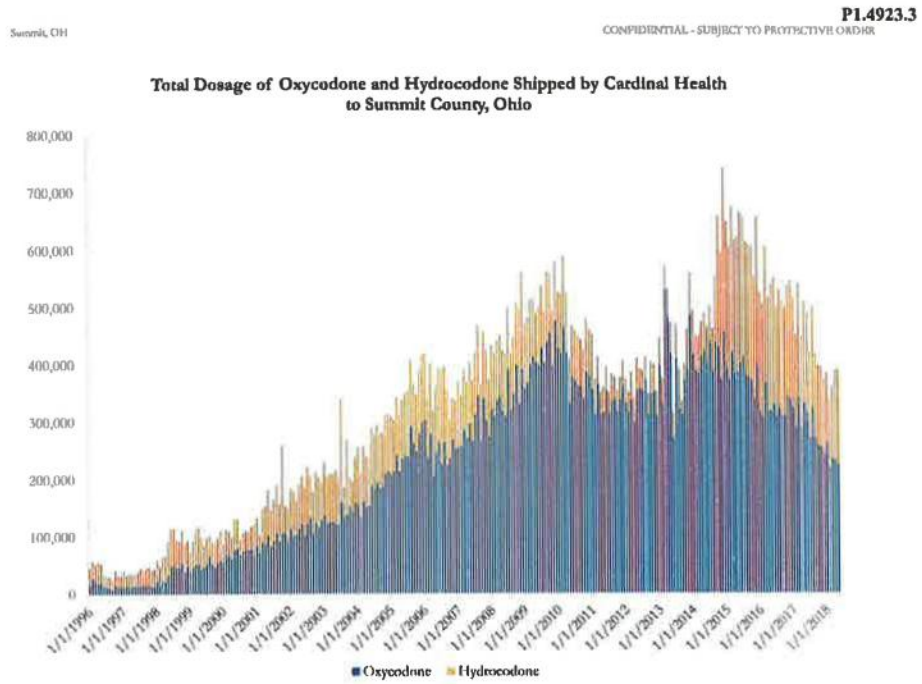


Cardinal-Caney
Exhibit
12

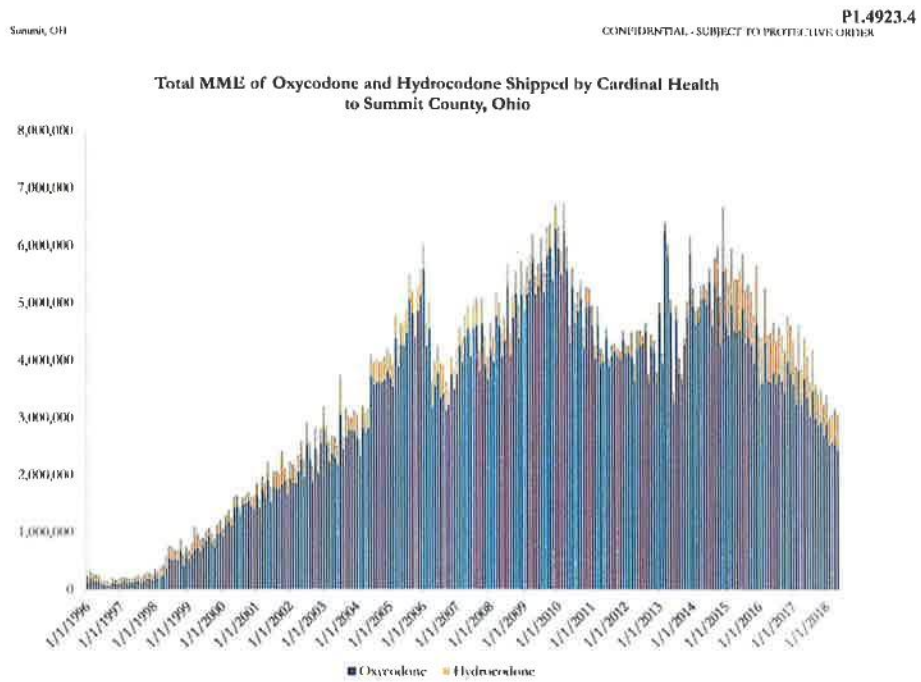
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4 of 8



7 of 8

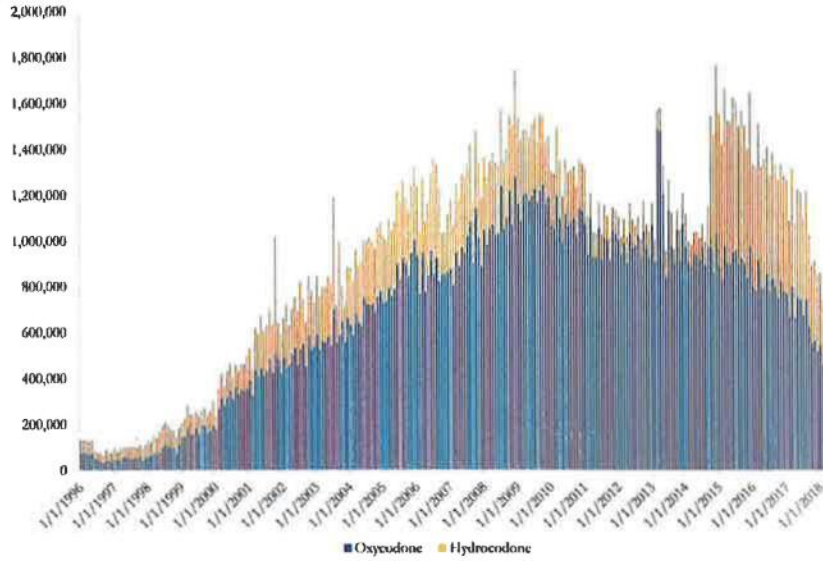


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Cuyahoga and Summit, OH

P1.4923.5
CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

Total Dosage of Oxycodone and Hydrocodone Shipped by Cardinal Health
to Cuyahoga and Summit County, Ohio

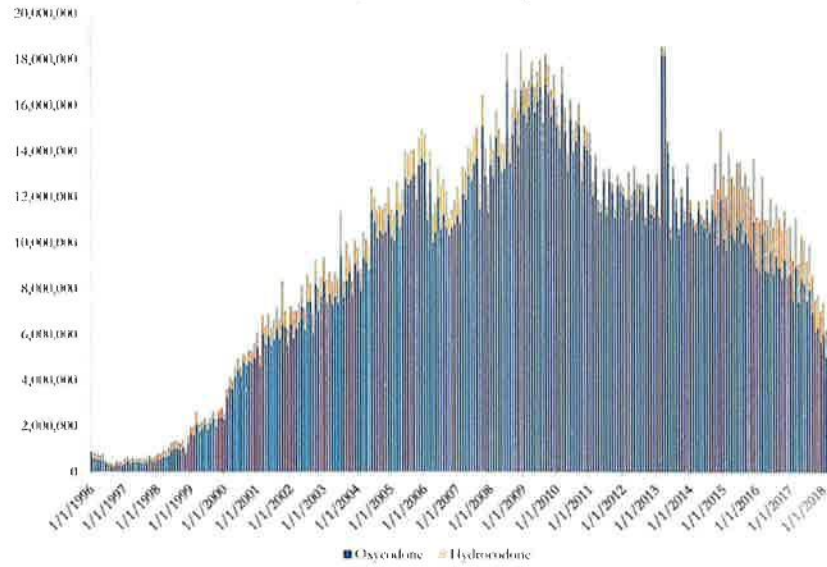


1 of 2

Cuyahoga and Summit, OH

P1.4923.6
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Total MME of Oxycodone and Hydrocodone Shipped by Cardinal Health
to Cuyahoga and Summit County, Ohio



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P1.3800

Cuyahoga	12 drugs				Oxycodone and Hydrocodone			
	Total Dosage	Percentage Change to 96-98 Base	Total MME	Percentage Change to 96-98 Base	Total Dosage	Percentage Change to 96-98 Base	Total MME	Percentage Change to 96-98 Base
1996	1,324,262		14,026,288		699,000		4,513,972	
1997	1,197,734	0.00%	14,140,846	0.00%	690,800	0.00%	4,339,740	0.00%
1998	1,407,045	17.48%	21,525,790	52.22%	929,065	34.49%	6,478,837	49.29%
1999	2,524,203	110.75%	54,710,820	286.90%	1,851,960	168.09%	16,466,244	279.43%
2000	4,624,464	286.10%	88,169,227	523.51%	3,652,535	428.74%	37,084,513	754.53%
2001	7,156,188	497.48%	123,140,781	770.82%	5,726,225	728.93%	55,992,733	1190.23%
2002	7,861,681	556.38%	143,085,125	911.86%	6,399,275	826.36%	64,161,021	1378.45%
2003	8,967,093	648.67%	169,364,208	1097.69%	7,458,525	979.69%	74,448,214	1615.50%
2004	9,825,147	720.31%	200,427,625	1317.37%	8,324,465	1105.05%	88,903,761	1948.60%
2005	11,217,120	836.53%	227,686,515	1510.13%	9,540,355	1281.06%	100,600,901	2218.13%
2006	11,448,866	855.88%	214,440,576	1416.46%	9,853,320	1326.36%	98,839,846	2177.55%
2007	12,040,401	905.27%	230,174,953	1527.73%	10,413,440	1407.45%	109,561,626	2424.61%
2008	13,337,200	1013.54%	248,869,265	1659.93%	11,654,660	1587.13%	128,227,943	2854.74%
2009	13,452,161	1023.13%	256,544,754	1714.21%	11,705,460	1594.48%	136,655,078	3048.92%
2010	11,608,160	869.18%	203,382,279	1338.26%	10,122,420	1365.32%	119,258,913	2648.07%
2011	10,440,502	771.69%	192,021,424	1257.92%	8,887,980	1186.62%	100,646,424	2219.18%
2012	9,688,842	708.93%	168,868,587	1094.19%	8,417,670	1118.54%	97,024,620	2135.72%
2013	10,141,342	746.71%	163,632,354	1057.16%	9,059,390	1211.43%	101,624,197	2241.71%
2014	8,801,593	634.85%	123,799,973	775.48%	7,880,400	1040.76%	78,855,423	1717.05%
2015	11,984,124	900.57%	131,502,244	829.95%	11,056,430	1500.53%	90,093,976	1976.02%
2016	10,631,391	787.63%	115,438,904	716.35%	9,824,670	1322.22%	80,990,152	1766.24%
2017	8,450,871	605.57%	92,486,246	554.04%	7,750,100	1021.90%	64,571,978	1387.92%
1997 Base	1,197,734		14,140,846		690,800		4,339,740	



P1.3800.2

Summit	12 drugs				Oxycodone and Hydrocodone			
	Total Dosage	Percentage Change	Total MME	Percentage Change	Total Dosage	Percentage Change	Total MME	Percentage Change
1996	698,244		9,110,121		490,610		2,416,978	
1997	657,366	0.00%	7,852,707	0.00%	481,650	0.00%	2,726,445	0.00%
1998	1,307,661	98.92%	15,538,089	97.87%	1,036,600	115.22%	7,082,814	159.78%
1999	1,392,834	111.88%	24,945,738	217.67%	1,157,225	140.26%	11,511,804	322.23%
2000	1,575,698	139.70%	34,039,337	333.47%	1,323,925	174.87%	17,703,244	549.32%
2001	2,296,888	249.41%	49,139,787	525.77%	1,932,200	301.16%	23,733,356	770.49%
2002	2,760,599	319.95%	60,386,148	668.99%	2,316,100	380.87%	29,239,699	972.45%
2003	3,146,985	378.73%	70,609,145	799.17%	2,694,100	459.35%	35,070,460	1186.31%
2004	3,807,633	479.23%	86,328,685	999.35%	3,242,890	573.29%	43,291,855	1487.85%
2005	5,020,199	663.68%	114,408,582	1356.93%	4,232,895	778.83%	57,610,882	2013.04%
2006	5,226,158	695.01%	109,371,098	1292.78%	4,350,665	803.28%	50,386,121	1748.05%
2007	5,782,643	779.67%	120,242,839	1431.23%	4,763,240	888.94%	55,106,392	1921.18%
2008	6,847,756	941.70%	142,721,946	1717.49%	5,510,800	1044.15%	59,987,326	2100.20%
2009	7,745,634	1078.28%	166,199,654	2016.46%	6,184,170	1183.96%	70,999,797	2504.12%
2010	6,944,264	956.38%	141,820,531	1706.01%	5,751,560	1094.14%	65,909,819	2317.43%
2011	5,483,081	734.10%	109,779,381	1297.98%	4,586,290	852.20%	52,486,503	1825.09%
2012	5,369,145	716.77%	99,079,906	1161.73%	4,556,080	845.93%	51,407,545	1785.52%
2013	6,098,806	827.76%	102,520,501	1205.54%	5,331,160	1006.85%	58,439,091	2043.42%
2014	7,186,190	993.18%	108,701,810	1284.26%	6,336,670	1215.62%	65,148,349	2289.50%
2015	8,317,755	1165.32%	100,333,414	1177.69%	7,540,120	1465.48%	65,573,096	2305.08%
2016	6,975,089	961.07%	78,172,458	895.48%	6,379,490	1224.51%	54,716,389	1906.88%
2017	5,969,754	808.13%	67,835,461	763.85%	5,471,550	1036.00%	46,787,498	1616.06%
1997 Base	657,366		7,852,707		481,650		2,726,445	

P1.3800.3

2 Counties		12 drugs		Oxycodone and Hydrocodone				
	Total Dosage	Percentage Change	Total MME	Percentage Change	Total Dosage	Percentage Change	Total MME	Percentage Change
1996	2,022,506		23,136,409		1,189,610		6,930,950	
1997	1,855,100	0.00%	21,993,553	0.00%	1,172,450	0.00%	7,066,185	0.00%
1998	2,714,706	46.34%	37,063,880	68.52%	1,965,665	67.65%	13,561,652	91.92%
1999	3,917,037	111.15%	79,656,558	262.18%	3,009,185	156.66%	27,978,048	295.94%
2000	6,200,162	234.22%	122,208,563	455.66%	4,976,460	324.45%	54,787,757	675.35%
2001	9,453,076	409.57%	172,280,568	683.32%	7,658,425	553.20%	79,726,088	1028.28%
2002	10,622,280	472.60%	203,471,273	825.14%	8,715,375	643.35%	93,400,721	1221.80%
2003	12,114,078	553.01%	239,973,352	991.11%	10,152,625	765.93%	109,518,674	1449.90%
2004	13,632,780	634.88%	286,756,310	1203.82%	11,567,355	886.60%	132,195,617	1770.82%
2005	16,237,319	775.28%	342,095,097	1455.43%	13,773,250	1074.74%	158,211,783	2139.00%
2006	16,675,024	798.87%	323,811,674	1372.30%	14,203,985	1111.48%	149,225,967	2011.83%
2007	17,823,044	860.76%	350,417,793	1493.28%	15,176,680	1194.44%	164,668,017	2230.37%
2008	20,184,956	988.08%	391,591,211	1680.48%	17,165,460	1364.07%	188,215,269	2563.61%
2009	21,197,795	1042.68%	422,744,409	1822.13%	17,889,630	1425.83%	207,654,875	2838.71%
2010	18,552,424	900.08%	345,202,810	1469.56%	15,873,980	1253.92%	185,168,732	2520.49%
2011	15,923,583	758.37%	301,800,805	1272.22%	13,474,270	1049.24%	153,132,928	2067.12%
2012	15,057,987	711.71%	267,948,493	1118.30%	12,973,750	1006.55%	148,432,165	2000.60%
2013	16,240,148	775.43%	266,152,855	1110.14%	14,390,550	1127.39%	160,063,288	2165.20%
2014	15,987,783	761.83%	232,501,784	957.14%	14,217,070	1112.59%	144,003,773	1937.93%
2015	20,301,879	994.38%	231,835,657	954.11%	18,596,550	1486.13%	155,667,071	2102.99%
2016	17,606,480	849.09%	193,611,362	780.31%	16,204,160	1282.08%	135,706,540	1820.51%
2017	14,420,625	677.35%	160,321,706	628.95%	13,221,650	1027.69%	111,359,476	1475.95%
1997 Base	1,855,100		21,993,553		1,172,450		7,066,185	

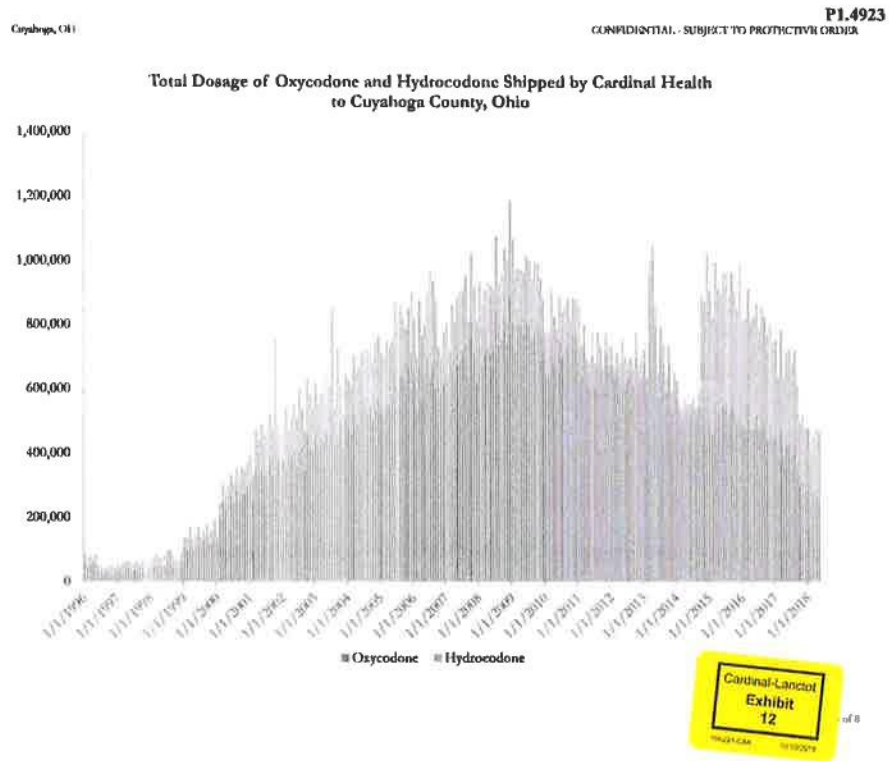
P13865

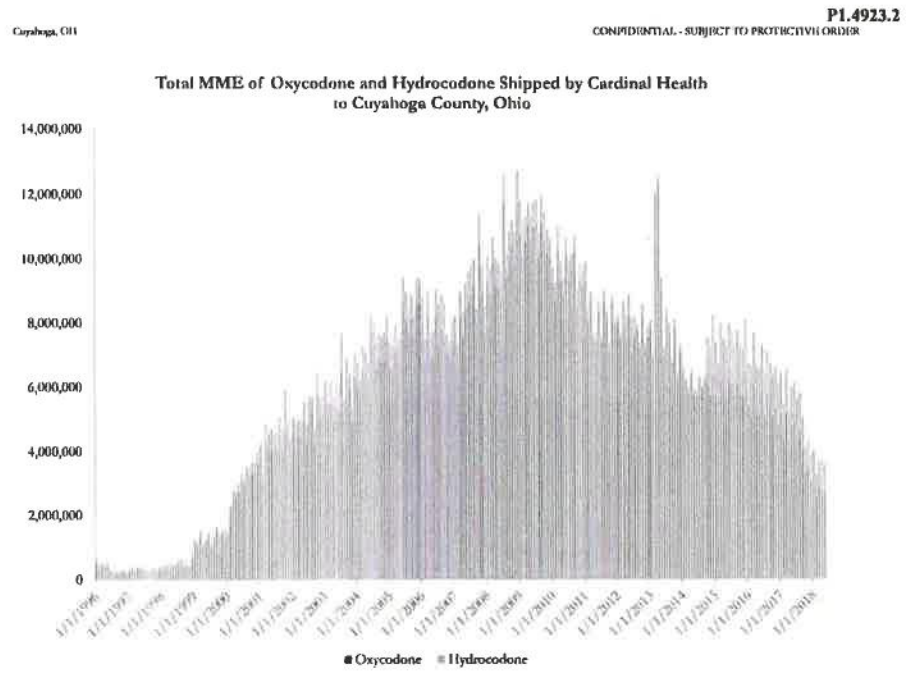
Cardinal-Harman Exhibit 30	2007	2008	2009	2010	2011	2012	2013	2014	Grand Total
AK	3,256,140	3,282,660	3,455,220	3,650,640	3,951,680	5,092,660	5,685,260	5,201,220	37,125,020
AL	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	10,000,000
AZ	11,996,010	2,416,440	2,416,440	3,311,440	3,664,220	4,761,780	44,335,760	42,871,980	318,414,460
CA	16,781,245	21,070,440	21,070,440	20,541,020	24,793,780	34,762,190	73,092,290	73,092,290	370,441,745
CO	18,092,715	18,045,280	21,249,000	24,067,260	24,067,260	34,762,190	34,762,190	34,762,190	290,255,786
CT	33,440,410	26,440,220	26,440,220	29,855,220	26,440,220	33,097,560	33,097,560	33,097,560	281,131,630
DE	8,467,235	2,407,220	2,407,220	2,135,780	2,135,780	2,407,220	2,407,220	2,407,220	20,924,435
FL	75,166,780	61,551,140	105,471,660	120,461,020	124,252,340	116,618,550	102,545,170	69,544,320	897,922,220
GA	22,783,075	24,937,696	27,762,360	31,389,040	39,557,420	41,421,620	40,993,440	95,921,20	507,715,591
HI	170,700	269,000	269,000	228,510	185,330	1,014,550	1,250,100	1,250,100	5,117,880
IA	1,711,415	2,245,170	2,245,170	3,360,440	3,360,440	3,360,440	3,360,440	3,360,440	27,729,220
IL	4,964,195	5,901,470	6,944,220	7,669,020	8,041,660	10,099,470	13,807,550	11,290,220	55,243,220
IN	15,136,600	24,594,480	31,157,680	36,622,540	42,144,020	49,812,270	55,644,300	45,243,220	320,612,420
KS	3,177,875	6,811,400	13,714,635	13,714,635	8,533,980	9,210,000	10,660,020	10,660,020	73,113,665
KY	14,634,545	14,262,940	14,262,940	20,941,440	24,332,980	24,001,125	24,254,550	24,155,040	182,480,385
LA	6,643,865	6,734,535	6,734,535	6,734,535	6,734,535	6,734,535	6,734,535	6,734,535	54,678,225
MA	36,223,940	29,641,580	27,171,320	11,179,360	39,743,300	40,341,800	71,724,160	61,653,070	351,493,530
MD	11,209,610	11,917,020	42,856,280	42,856,280	14,352,660	14,018,000	13,551,420	20,482,560	136,507,915
ME	7,802,300	10,199,440	11,891,240	15,532,380	17,144,380	18,661,000	21,270,750	15,530,260	103,421,295
MI	1,808,960	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	18,303,560
MO	6,452,725	7,296,080	9,275,660	10,441,400	11,537,400	12,186,240	15,467,540	4,035,000	20,173,360
MS	1,052,210	3,703,180	3,023,770	3,334,860	3,334,860	5,947,940	3,993,590	3,256,620	22,467,365
MT	44,831,135	49,550,140	2,469,280	2,186,540	2,272,440	2,705,540	3,010,530	3,256,620	59,243,035
NC	1,808,960	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	18,303,560
ND	1,808,960	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	18,303,560
NE	1,808,960	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	2,287,945	18,303,560
NH	7,123,190	6,493,940	7,105,280	7,556,380	7,556,380	8,801,680	9,481,110	9,481,110	70,411,455
NJ	32,169,685	55,580,000	37,292,053	41,739,600	50,556,560	56,943,070	62,579,260	57,208,320	415,207,980
NM	8,177,435	9,812,230	11,532,240	12,681,800	10,540,140	9,525,750	9,075,630	8,220,340	69,944,055
NY	3,672,135	10,252,100	12,442,440	18,649,860	26,812,440	26,187,220	26,187,220	22,854,640	194,441,175
OH	67,103,735	39,776,480	39,776,480	39,776,480	39,776,480	39,776,480	39,776,480	39,776,480	318,414,460
OK	1,664,400	4,312,320	5,597,220	6,034,960	6,344,200	6,272,940	7,453,320	6,541,720	49,315,661
OR	11,378,100	13,096,360	15,922,340	20,213,500	21,413,240	30,427,760	32,428,780	31,453,320	195,492,760
PA	55,181,355	65,181,355	67,266,220	81,074,950	89,889,600	100,350,790	96,253,250	90,776,080	713,247,785
RI	1,664,400	4,312,320	5,597,220	6,034,960	6,344,200	6,272,940	7,453,320	6,541,720	49,315,661
SC	16,640,445	17,511,410	17,511,410	17,511,410	17,511,410	17,511,410	17,511,410	17,511,410	140,888,220
SD	1,664,400	4,312,320	5,597,220	6,034,960	6,344,200	6,272,940	7,453,320	6,541,720	49,315,661
TN	21,311,010	23,799,872	25,248,100	33,495,260	37,034,320	40,382,159	44,862,980	43,527,400	296,542,091
TX	6,468,150	8,072,545	7,866,280	8,545,110	8,545,110	8,441,300	9,093,220	8,450,680	75,574,825
UT	6,714,470	7,867,540	8,254,780	9,346,600	10,946,380	11,019,660	12,608,440	13,040,530	87,488,630

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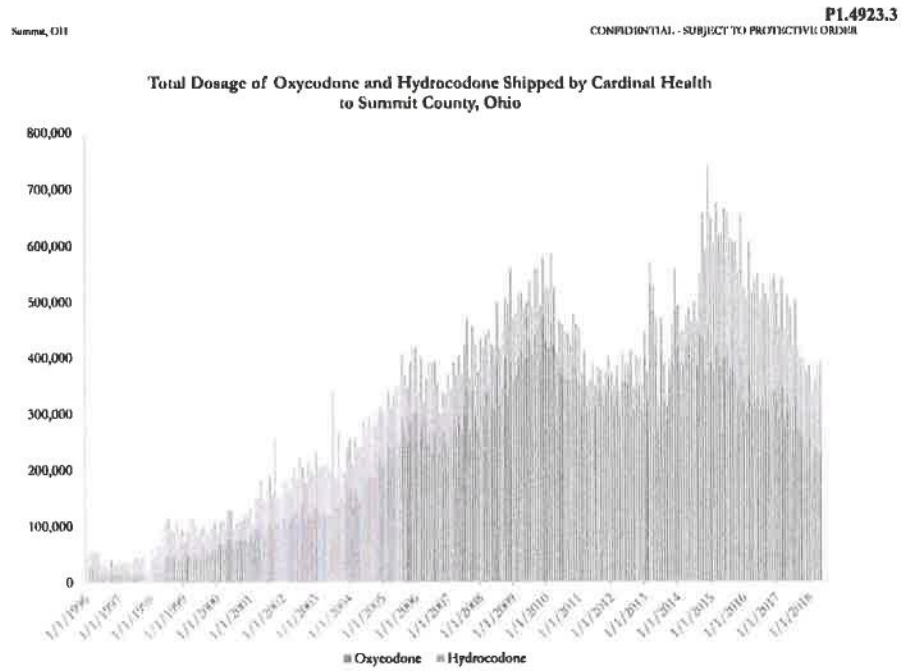
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VA	283,400	33,567,400	37,352,400	32,399,110	40,620,410	43,333,005	47,158,120	49,214,310	65,842,480	33,256,610
VT	1,009,645	2,140,740	1,333,000	3,443,100	2,345,520	3,631,900	2,573,780	2,314,080	2,225,220	2,264,010
WA	2,237,123	2,943,100	2,875,000	3,665,100	3,777,940	3,492,440	3,823,484	43,297,080	43,596,200	30,491,904
WY	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000
WY	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000

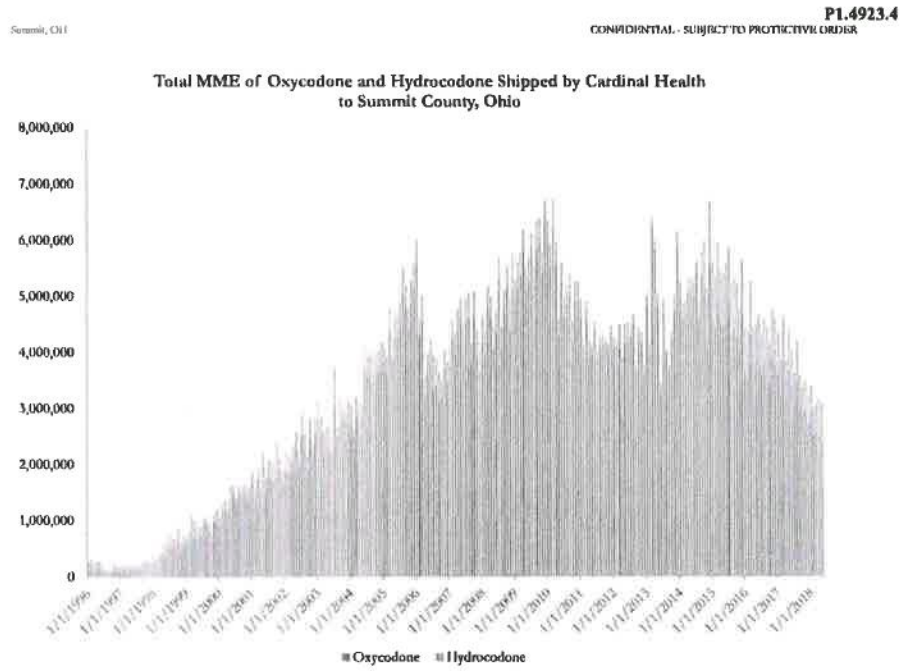




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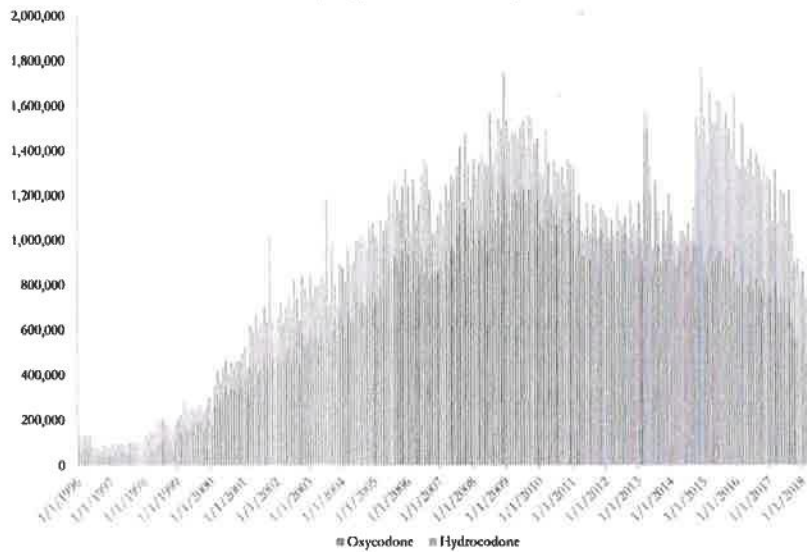


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Cuyahoga and Summit, OH

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
P1.4923.5

Total Dosage of Oxycodone and Hydrocodone Shipped by Cardinal Health
to Cuyahoga and Summit County, Ohio

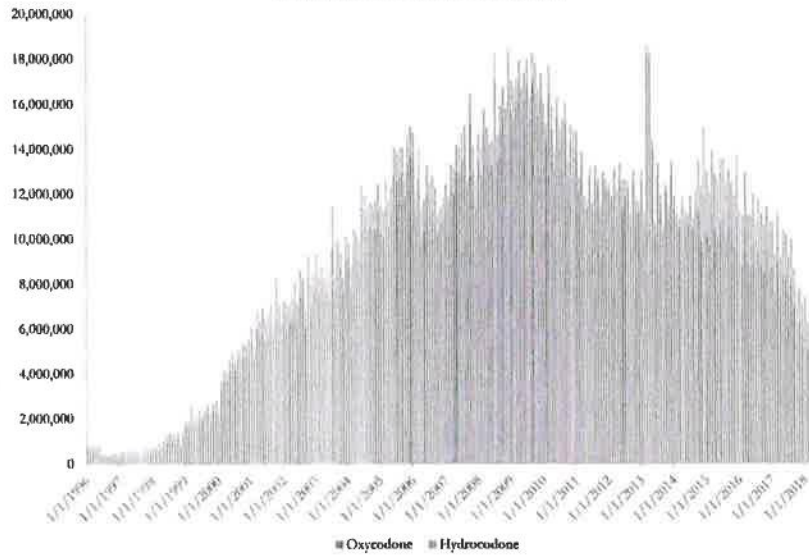


1 of 2

Cuyahoga and Summit, OH

P1.4923.6
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Total MME of Oxycodone and Hydrocodone Shipped by Cardinal Health
to Cuyahoga and Summit County, Ohio



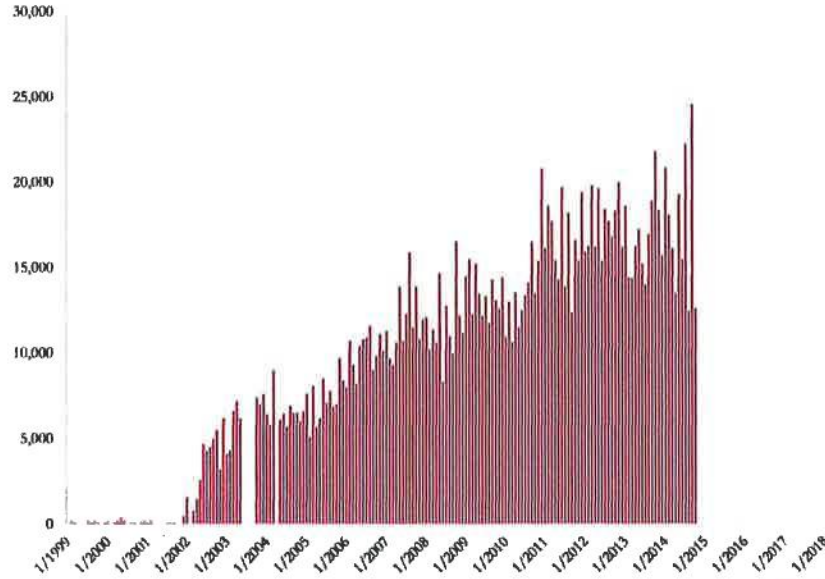
2 of 2

Appendix B Additional Discount Drug Mart Figures and Tables

Discount Drug Mart
6476 York Road
Purina Heights, OH, 44130

P-DDM-0501
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Hydrocodone Shipments to BD2308155 from Discount Drug Mart
(Total Dosage Units)

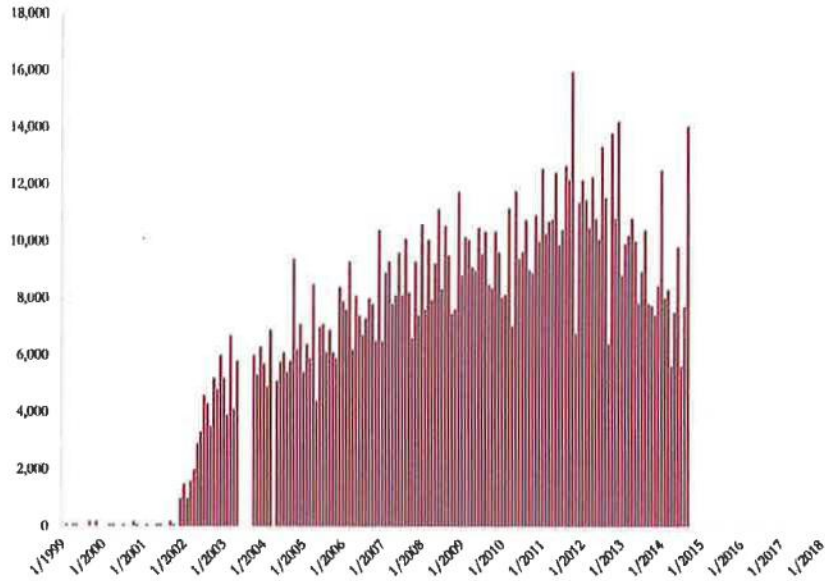


DDM-Briscon
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Discount Drug Mart #31
Kevin M Ryan, Rph
Bucld, OH, 44119

P-DDM-0501
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Hydrocodone Shipments to BD0995095 from Discount Drug Mart
(Total Dosage Units)



Appendix C Additional HBC/Giant Eagle Figures and Tables

P-HBC-0014
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Hydrocodone Shipped to HBC Pharmacies
2006-2014

			2006	2007	2008	2009	2010	2011	2012	2013	2014
National	Dosage	Total	18,731,900	23,141,110	27,105,840	29,757,740	30,018,360	33,968,190	35,728,990	33,390,870	29,835,260
		Average	96,556	108,644	127,858	141,032	140,273	159,475	165,412	151,875	136,234
		Total	80,409,870	98,244,033	113,248,227	123,789,565	123,831,613	139,802,015	147,361,062	138,875,720	125,235,634
	MME	Average	414,793	461,240	534,190	586,680	578,652	656,347	682,227	639,980	571,852
		Total	194	213	212	211	214	213	216	217	219
		#Pharm									
Ohio	Dosage	Total	6,843,540	9,700,720	12,409,110	14,223,210	14,414,080	16,295,840	17,140,690	15,408,410	13,287,770
		Average	72,037	84,354	108,852	125,869	127,558	145,499	150,357	135,161	115,546
		Total	28,303,195	39,494,888	49,475,796	56,419,046	56,858,483	64,307,471	67,764,487	61,406,724	53,515,019
	MME	Average	297,928	343,434	433,998	499,284	503,146	574,174	594,425	538,655	465,348
		Total	95	115	114	113	113	112	114	114	115
		#Pharm									
Cuyahoga	Dosage	Total	909,100	1,443,100	1,995,370	2,252,170	2,206,410	2,454,170	2,535,590	2,179,970	1,805,320
		Average	45,455	46,552	68,806	83,414	81,719	90,895	90,557	77,856	64,876
		Total	3,786,662	5,940,025	8,036,347	9,016,548	8,645,213	9,581,868	9,928,783	8,551,588	7,072,155
	MME	Average	189,333	191,614	277,115	333,948	320,193	354,884	354,599	305,414	252,756
		Total	20	31	29	27	27	27	28	28	28
		#Pharm									
Summit	Dosage	Total	921,460	1,321,100	1,644,030	1,885,020	1,836,820	2,104,110	2,196,680	1,940,800	1,617,150
		Average	92,146	110,092	137,003	157,085	153,068	175,343	183,057	161,733	134,763
		Total	3,621,928	5,129,270	6,224,995	7,092,960	6,791,463	7,845,402	8,217,801	7,307,148	6,177,079
	MME	Average	362,192	427,439	518,750	591,081	565,955	653,784	684,817	608,929	514,757
		Total	10	12	12	12	12	12	12	12	12
		#Pharm									
Cuyahoga and Summit	Dosage	Total	1,830,560	2,764,200	3,639,400	4,137,190	4,043,230	4,558,280	4,732,270	4,120,770	3,422,470
		Average	61,019	64,281	88,766	106,982	103,673	116,879	118,307	103,019	85,562
		Total	7,408,587	11,069,295	14,261,342	16,109,557	15,436,676	17,427,270	18,146,584	15,858,735	13,254,234
	MME	Average	346,953	257,425	347,838	413,066	395,812	446,853	453,665	396,668	331,356
		Total	30	43	41	39	39	39	40	40	40
		#Pharm									

Data Source: ARCOS data produced by DEA

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P-HBC-0014
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Hydrocodone Shipped by HBC DC to HBC Pharmacies
2006-2014

			2006	2007	2008	2009	2010	2011	2012	2013	2014
National	Dosage	Total	0	0	0	3,918,890	26,689,710	31,387,810	30,686,120	30,493,590	22,495,500
		Average	0	0	0	18,841	125,304	148,056	143,393	141,174	103,190
	MME	Total	0	0	0	15,815,878	107,664,928	126,855,257	124,468,408	126,080,010	93,056,073
		Average	0	0	0	76,038	505,469	598,374	581,628	583,704	436,863
	#Pharm	Total	0	0	0	208	213	212	214	216	218
Ohio	Dosage	Total	0	0	0	1,893,280	12,752,630	15,193,050	15,017,970	14,005,430	10,030,700
		Average	0	0	0	16,904	112,855	135,652	131,737	122,855	87,223
	MME	Total	0	0	0	7,313,595	48,938,564	58,439,916	57,954,723	55,288,196	39,755,731
		Average	0	0	0	65,300	433,085	521,785	508,375	484,984	345,702
	#Pharm	Total	0	0	0	112	113	112	114	114	115
Cuyahoga	Dosage	Total	0	0	0	307,820	2,006,300	2,335,950	2,170,450	1,952,700	1,330,500
		Average	0	0	0	11,401	74,307	86,517	77,516	69,739	47,518
	MME	Total	0	0	0	1,188,794	7,636,013	8,938,618	8,284,398	7,610,463	5,107,433
		Average	0	0	0	44,029	282,815	331,060	295,871	271,802	182,408
	#Pharm	Total	0	0	0	27	27	27	28	28	28
Summit	Dosage	Total	0	0	0	246,580	1,659,920	1,990,250	1,979,720	1,788,690	1,227,200
		Average	0	0	0	20,548	138,327	165,854	164,977	149,058	102,267
	MME	Total	0	0	0	916,787	5,948,973	7,232,254	7,189,935	6,650,150	4,636,100
		Average	0	0	0	76,399	495,748	602,688	599,161	554,179	386,342
	#Pharm	Total	0	0	0	12	12	12	12	12	12
Cuyahoga and Summit	Dosage	Total	0	0	0	554,400	3,666,220	4,326,200	4,150,170	3,741,390	2,557,700
		Average	0	0	0	14,215	94,006	110,928	103,754	93,535	63,943
	MME	Total	0	0	0	2,105,581	13,584,986	16,170,872	15,474,333	14,260,613	9,743,533
		Average	0	0	0	53,989	348,333	414,638	386,858	356,515	243,588
	#Pharm	Total	0	0	0	39	39	39	40	40	40

Data Source: ARCOS data produced by DEA

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P-HDC-0015

HDC Dosage Unit Distribution to Cuyahoga County, Summit County, and all of Ohio Oxycodone, Hydromorphone, Oxycodone, & Hydromorphone									
Cuyahoga County									
Total Dosage Units	2006	2007	2008	2009	2010	2011	2012	2013	2014
10,103,720	0	0	0	307,820	2,006,300	2,335,950	2,170,450	1,952,700	1,330,900
Summit County									
Total Dosage Units	2006	2007	2008	2009	2010	2011	2012	2013	2014
8,907,300	0	0	0	246,580	1,659,920	1,990,250	1,979,720	1,780,600	1,327,200
Ohio - Statewide									
Total Dosage Units	2006	2007	2008	2009	2010	2011	2012	2013	2014
68,893,060	0	0	0	1,893,280	12,752,630	15,193,050	15,017,070	11,665,150	10,030,700

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P-HDC-0016

Opioid Shipments to Pharmacies in Summit County, OH
2006 - 2014

DEA Number	Pharmacy	Address	Type	Total Dosage Units	Weight in mg	Total MME
BG7042891	Giant Eagle Pharmacy #4031	41 57th Street Se, Barberton, OH, 44203	Chain Pharmacy	8,931,522	46,701	69,543,895
AG2819510	Giant Eagle Pharmacy #4123	481 East Waterloo Rd, Akron, OH, 44319	Chain Pharmacy	4,074,691	27,717	36,700,349
BG7513172	Giant Eagle Pharmacy #4029	2801 East Waterloo Road, Akron, OH, 44312	Chain Pharmacy	2,933,281	19,021	26,210,509
BG7513209	Giant Eagle Pharmacy #4030	265 West Ave, Tallmadge, OH, 44278	Chain Pharmacy	2,751,111	20,957	26,165,880
AG2819538	Giant Eagle Pharmacy #4036	2687 State Road, Cuyahoga Falls, OH, 44223	Chain Pharmacy	2,437,007	14,149	17,968,008
BG-6784450	Giant Eagle Pharmacy #6376	6300 Biddolph, Brooklyn, OH, 44144	Chain Pharmacy	2,154,361	12,485	13,490,174
FG0138873	Giant Eagle Pharmacy #5878	250 Howe Rd, Cuyahoga Falls, OH, 44221	Chain Pharmacy	1,934,569	12,469	16,305,351

Giant Eagle Pharmacy #4051
41 3rd Street SE
Berkshire, OH, 44203

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Opioid Shipments to BG7042891 by Distributor

2004-2019

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		Dosage	12 Drug Family				
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg		MMR	Average Pharmacy MME in County	Average Pharmacy MME in State	MMR Percentile Within State	
2006															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	0	0	8,200	37,513	0	0	2,000	14,392	19,200	34,144			
McKesson Corporation	McKesson Corporation	PA 16149	138,500	1,566,391	246,590	951,360	14,200	973,164	12,300	956,076	421,445	5,122,157			
Total			138,500	1,566,391	254,790	978,873	14,200	973,164	14,300	404,880	431,645	5,156,301	2,904,224	2,488,196	9.17%
2007															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	0	0	10,100	36,501	0	0	100	739	10,200	37,035			
McKesson Corporation	McKesson Corporation	PA 16149	211,300	2,477,650	325,100	1,314,220	17,500	566,360	16,200	450,460	603,275	7,671,525			
Total			211,300	2,477,650	335,200	1,350,741	17,500	566,360	16,300	451,619	613,475	7,704,560	3,421,883	2,665,429	4.40%
2008															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	0	0	9,500	33,686	0	0	0	0	9,500	33,686			
McKesson Corporation	McKesson Corporation	PA 16101	245,600	2,377,003	306,110	1,477,279	16,100	453,782	15,000	457,122	626,620	6,068,477			
Total			245,600	2,377,003	405,640	1,510,966	16,100	453,782	15,000	457,122	706,120	6,102,163	3,121,543	2,887,719	5.12%
2009															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	5,100	19,346	19,100	70,210	0	0	0	0	24,200	225,520			
HBC Service Company	HBC Service Company	PA 15301	0	0	5,520	19,511	0	0	2,500	66,393	56,120	208,436			
McKesson Corporation	McKesson Corporation	PA 16101	263,000	2,547,898	367,000	1,561,800	17,200	522,735	16,400	465,236	709,097	8,112,123			
Total			268,100	2,651,444	430,940	1,630,321	17,200	522,735	20,900	531,529	769,547	8,546,108	3,418,261	3,121,530	5.30%
2010															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	5,000	26,075	0	859	0	0	0	0	5,000	41,342			
HBC Service Company	HBC Service Company	PA 15301	0	0	402,120	1,415,369	0	0	17,000	419,919	419,120	1,478,737			
McKesson Corporation															

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Giant Eagle Pharmacy 04091
41 Jolt Street
Burkeston, OH, 44203

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
P-HBC-0016

Opioid Shipments to BG7042891 by Distributor
2006-2014

Company	State / Zip	Oxycodone		Hydrocodone		Morphine		Codeine		12 Ding Family				
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MMR	Average Pharmacy NME in County	Average Pharmacy MME in State	MMR Percentile Within State
McKesson Corporation	PA 16101	514,100	2,511,219	21,460	97,656	20,000	555,578	3,000	64,693	392,135	6,870,590			
Total		319,100	2,568,114	423,780	1,514,265	28,000	555,578	20,000	484,012	816,455	6,390,579	3,884,288	3,168,759	5.94%
2011														
Anda, Inc.		8,900	46,618	100	605	0	0	0	0	10,300	187,415			
Anda Pharmaceuticals Inc.	OH 43125	8,900	46,618	0	0	0	0	0	0	10,300	187,415			
Anda, Inc.	FL 33331	0	0	100	605	0	0	0	0	100	605			
HBC Service Company		0	0	480,310	1,136,931	0	0	23,900	516,509	303,410	1,812,199			
HBC Service Company	PA 15301	0	0	480,310	1,136,931	0	0	23,900	516,509	303,410	1,812,199			
McKesson Corporation		361,000	2,626,148	16,060	64,640	34,900	721,206	100	4,420	426,974	6,534,967			
McKesson Corporation	PA 16101	361,000	2,626,148	16,060	64,640	34,900	721,206	100	4,420	426,974	6,534,967			
Total		869,900	4,672,766	496,670	1,802,166	24,500	721,206	24,000	640,229	948,684	8,454,779	3,934,211	3,391,690	6.62%
2012														
Anda, Inc.		0	0	12,000	48,432	0	0	0	0	12,000	48,432			
Anda Pharmaceuticals Inc.	OH 43125	0	0	2,000	9,081	0	0	0	0	2,000	9,081			
Anda, Inc.	FL 33331	0	0	10,000	39,351	0	0	0	0	10,000	39,351			
HBC Service Company		0	0	456,280	1,648,721	0	0	15,100	468,541	474,366	1,719,609			
HBC Service Company	PA 15301	0	0	456,280	1,648,721	0	0	15,100	468,541	474,366	1,719,609			
McKesson Corporation		369,700	2,481,978	35,410	171,596	11,700	903,829	2,600	61,332	462,440	5,316,054			
McKesson Corporation	PA 16101	369,700	2,481,978	35,410	171,596	11,700	903,829	2,600	61,332	462,440	5,316,054			
Total		869,700	2,481,978	503,730	1,868,749	33,700	903,829	26,700	531,893	948,826	8,083,688	3,735,673	3,250,789	6.18%
2013														
Anda, Inc.		21,000	143,891	7,700	31,391	0	0	0	0	32,700	324,762			
Anda Pharmaceuticals Inc.	OH 43125	21,000	143,891	1,000	1,784	0	0	0	0	21,000	263,475			
Anda, Inc.	FL 33331	0	0	6,700	27,608	0	0	0	0	9,200	61,236			
HBC Service Company		0	0	153,840	1,632,723	0	0	16,100	124,330	449,940	1,676,374			
HBC Service Company	PA 15301	0	0	153,840	1,632,723	0	0	16,100	124,330	449,940	1,676,374			
McKesson Corporation		322,100	2,064,391	25,900	115,760	28,000	773,846	1,200	25,577	395,892	5,591,353			
McKesson Corporation	PA 16101	322,100	2,064,391	25,900	115,760	28,000	773,846	1,200	25,577	395,892	5,591,353			
Total		343,100	2,208,281	467,440	1,779,873	28,000	773,846	12,300	449,846	878,532	7,642,428	3,537,890	3,014,154	6.09%
2014														
HBC Service Company		0	0	311,700	1,190,215	0	0	18,200	296,153	322,900	1,231,635			
HBC Service Company	PA 15301	0	0	311,700	1,190,215	0	0	18,200	296,153	322,900	1,231,635			
McKesson Corporation		0	0	0	0	0	0	0	0	0	0			
McKesson Corporation		0	0	0	0	0	0	0	0	0	0			

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Grant Taylor Pharmacy, P.A.
41-100 South 1st St.
Baltimore, OH 44103

CONFIDENTIAL, SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Opioid Shipments to BG7042891 by Distributor
2009-2011

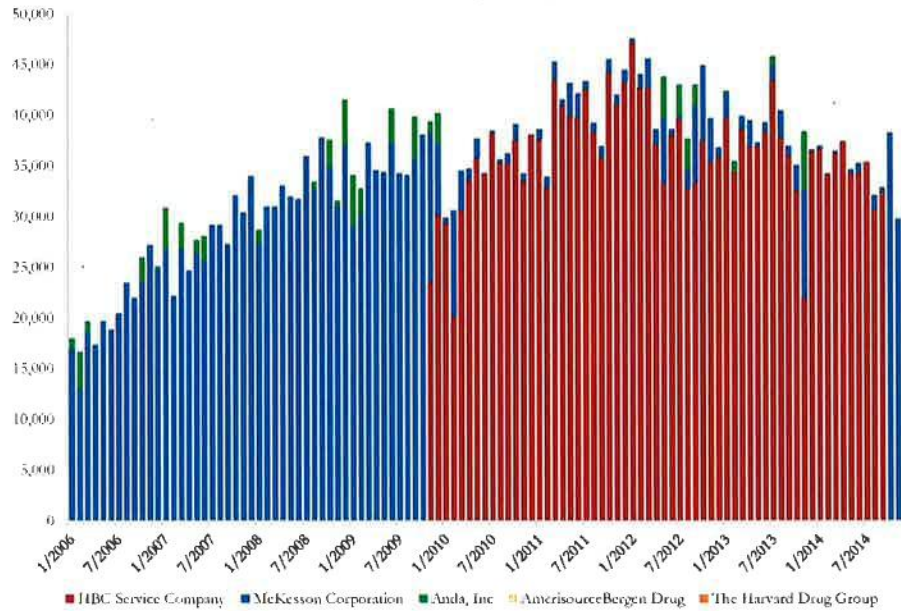
Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		12 Drug Family				
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MME	Average Pharmacy MME in County	Average Pharmacy MME in State	Percentage Within State
McKesson Corporation	PA 16101	322,300	2,111,563	102,960	600,937	36,900	750,593	3,450	19,470	152,511	5,050,551			
Total		322,300	2,111,563	102,960	600,937	36,900	750,593	3,450	19,470	152,511	5,050,551	3,130,313	2,874,533	5.87%
2009-2011 AVERAGE		289,767	2,052,032	90,862	538,638	32,811	653,141	3,036	16,963	135,469	4,377,322	3,130,313	2,798,650	6.07%

Giant Eagle Pharmacy #1031
41 5TH Street Se
Baltimore, OH, 44203

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P-HBC-0016

Hydrocodone Shipments to BG7042891
(Total Dosage Units)



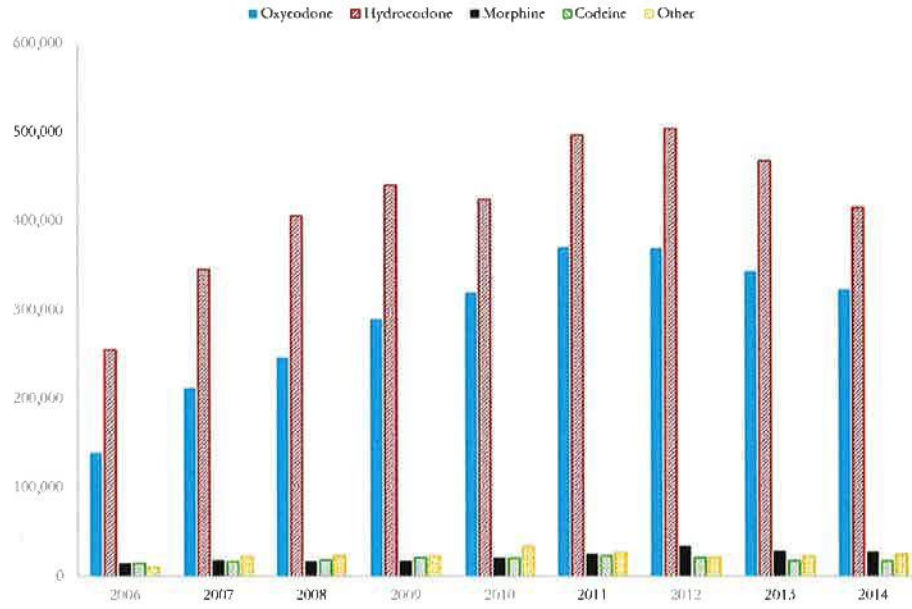
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Giant Eagle Pharmacy #4031
41 3rd Street SE
Barberton, OH, 44203

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P-HBC-0016

Giant Eagle Pharmacy #4031, BG7042891
Total Dosage Units by Drug Family



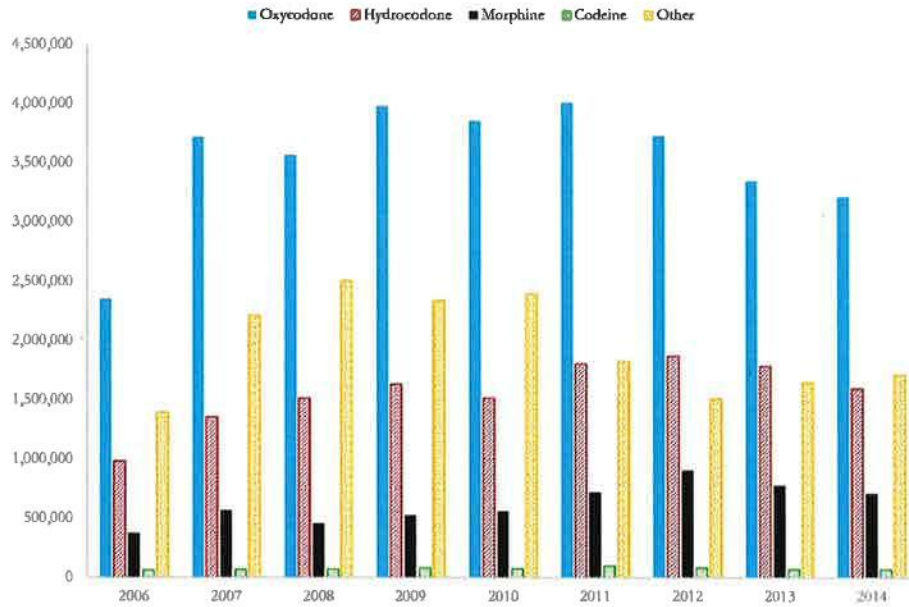
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Giant Eagle Pharmacy #4031
41 5th Street SE
Baltimore, OH, 44203

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P-HBC-0016

**Giant Eagle Pharmacy #4031, BG7042891
Total MME by Drug Family**



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Glenz, Pyle Pharmacy #4134
484 East Waterloo Rd
Akron, OH 44319

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P-HBC-0016

Opioid Shipments to AG2819540 by Distributor
2006-2014

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		12 Drug Family					
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MMR	Average Pharmacy MMR in County	Average Pharmacy MMR in State	MMR Percentile Within State	
2006															
Anda, Inc															
Anda Pharmaceuticals Inc	OH 43125	0	0	500	1,514	0	0	0	0	500	1,514				
McKesson Corporation															
McKesson Corporation	PA 16101	99,900	1,823,662	165,600	619,940	9,900	209,807	9,900	265,560	297,451	3,083,556				
Total		99,900	1,823,662	166,100	621,454	9,900	209,807	9,900	265,560	297,951	3,085,099	2,904,224	2,488,196	23.80%	
2007															
Anda, Inc															
Anda Pharmaceuticals Inc	OH 43125	0	0	500	2,537	0	0	0	0	500	2,537				
Anda, Inc	FL 33531	0	0	0	266	0	0	0	0	0	266				
McKesson Corporation															
McKesson Corporation	PA 16101	115,400	1,302,798	202,700	761,800	9,900	208,169	12,900	318,159	351,311	3,722,760				
Total		115,400	1,302,798	203,200	764,366	9,900	208,169	12,900	318,159	351,811	3,725,326	3,221,865	2,665,429	35.79%	
2008															
Anda, Inc															
Anda Pharmaceuticals Inc	OH 43125	0	0	2,600	7,870	0	0	0	0	2,600	7,870				
McKesson Corporation															
McKesson Corporation	PA 16101	163,600	1,750,594	250,320	937,905	9,900	212,435	13,900	315,305	451,172	1,785,131				
Total		163,600	1,750,594	252,920	938,775	9,900	212,435	13,900	315,305	454,072	1,793,001	3,123,543	2,807,719	34.63%	
2009															
Anda, Inc															
Anda Pharmaceuticals Inc	OH 43125	2,400	75,306	15,500	59,827	0	0	0	0	17,900	171,986				
Anda, Inc	FL 33531	2,400	75,306	15,500	59,827	0	0	0	0	16,900	168,939				
HBC Service Company															
HBC Service Company	PA 15301	0	0	29,780	109,077	0	0	2,300	53,042	31,980	113,054				
McKesson Corporation															
McKesson Corporation	PA 16101	177,600	1,763,102	260,660	886,038	11,100	243,803	12,600	311,621	157,680	6,875,996				
Total		180,000	1,838,408	285,940	1,054,162	11,100	243,803	14,900	364,647	507,560	7,155,035	3,430,263	3,121,530	34.07%	
2010															
Anda, Inc															
Anda Pharmaceuticals Inc	OH 43125	0	0	21,500	71,135	0	0	0	0	21,500	71,135				
HBC Service Company															
HBC Service Company	PA 15301	0	0	232,050	805,363	0	0	12,800	360,574	245,290	850,119				

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Glaxo Egle Pharmacy #4124
404 East Waterloo Rd
Akron, OH 44319

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P-HBC-0016

Opioid Shipments to AG2819540 by Distributor

2006-2014

Company	State / Zip	Oxycodone		Hydrocodone		Morphine		Codeine		Doseage	U2 Drug Family			
		Doseage	mg	Doseage	mg	Doseage	mg	Doseage	mg		MMR	Average Pharmacy MMR to County	Average Pharmacy MMR to State	MMR Percentile Within State
McKesson Corporation McKesson Corporation	PA 16101	204,100	1,693,847	23,860	156,431	15,600	311,102	1,600	34,439	278,507	4,497,185			
Total		204,100	1,693,847	23,860	156,431	15,600	311,102	1,600	34,439	278,507	4,497,185			
2011														
Anda, Inc. Anda Pharmaceuticals Inc. Anda, Inc.	OH 43125 FL 33331	0 0 0	0 0 0	1,500 1,500 0	5,870 5,297 573	0 0 0	0 0 0	0 0 0	0 0 0	1,500 1,500 0	5,870 5,297 573			
HBC Service Company HBC Service Company	PA 15301	0 0	0 0	268,600 0	966,429 0	0 0	0 0	15,000 0	402,236 0	268,600 0	1,026,765 0			
McKesson Corporation McKesson Corporation	PA 16101	196,100	1,317,810	22,460	95,015	13,800	285,456	0	13,562	344,785	3,466,648			
Total		196,100	1,317,810	22,460	95,015	13,800	285,456	0	13,562	344,785	3,466,648			
2012														
HBC Service Company HBC Service Company	PA 15301	0 0	0 0	365,720 0	957,593 0	0 0	0 0	11,600 0	358,036 0	279,320 0	1,011,295 0			
McKesson Corporation McKesson Corporation	PA 16101	180,400	1,411,481	19,870	94,373	15,000	289,971	0	12,591	225,807	2,614,420			
Total		180,400	1,411,481	19,870	94,373	15,000	289,971	0	12,591	225,807	2,614,420			
2013														
Anda, Inc. Anda, Inc.	FL 33331	0 0	0 0	6,300 0	20,584 0	0 0	0 0	0 0	0 0	6,300 0	20,584 0			
HBC Service Company HBC Service Company	PA 15301	0 0	0 0	243,970 0	481,697 0	0 0	0 0	9,800 0	278,473 0	253,770 0	923,468 0			
McKesson Corporation McKesson Corporation	PA 16101	175,400	1,075,979	10,520	52,978	13,800	285,230	0	14,193	207,905	2,345,402			
Total		175,400	1,075,979	10,520	52,978	13,800	285,230	0	14,193	207,905	2,345,402			
2014														
Anda, Inc. Anda, Inc.	FL 33331	0 0	0 0	0 0	0 0	0 0	0 0	2,000 0	64,202 0	2,000 0	6,631 0			
HBC Service Company HBC Service Company	PA 15301	0 0	0 0	162,400 0	601,675 0	0 0	0 0	7,200 0	207,740 0	169,600 0	632,837 0			
McKesson Corporation														

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Grant Eagle Pharmacy 34124
844 East Wendover Rd.
Akron, OH 44319

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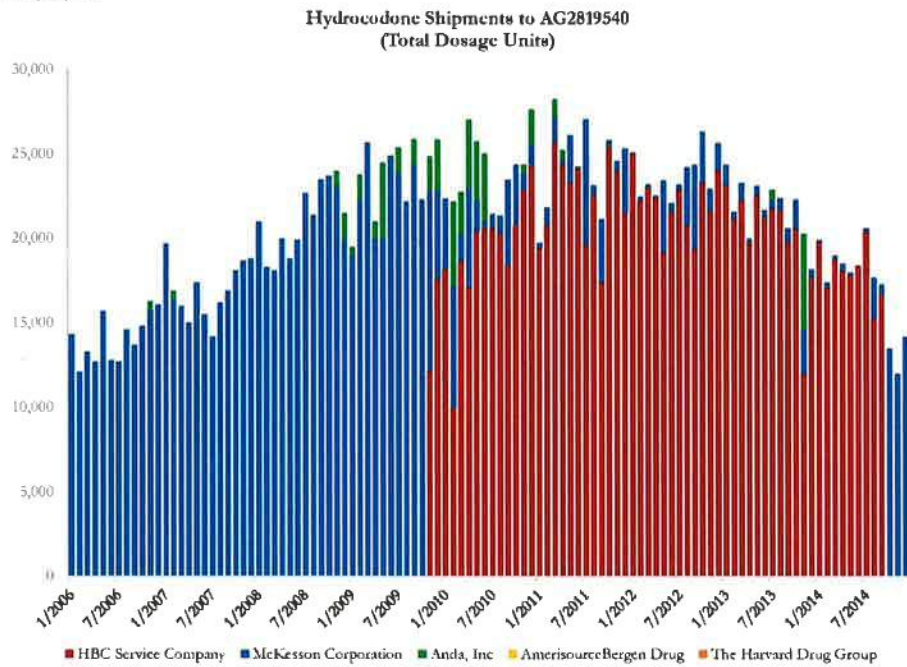
P-HBC-0016

Opioid Shipments to AG2019340 by Distributor
2006-2014

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		B2 Drug Family		Average Pharmacy MME in State	Average Pharmacy MME in State	Percentile Within State
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MME			
McKesson Corporation	PA 16108	180,100	1,315,715	11,500	165,115	13,800	233,045	2,300	51,693	213,590	2,142,593			
Total		180,100	1,315,715	11,500	165,115	13,800	233,045	2,300	51,693	213,590	2,142,593			
2006-2014 AVERAGE		166,344	1,158,869	247,110	920,811	12,344	216,790	13,289	130,253	15,174	1,077,817	1,448,923	2,984,669	22.15%

Giant Eagle Pharmacy #1124
484 East Waterloo Rd
Akron, OH, 44319

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P-HBC-0016



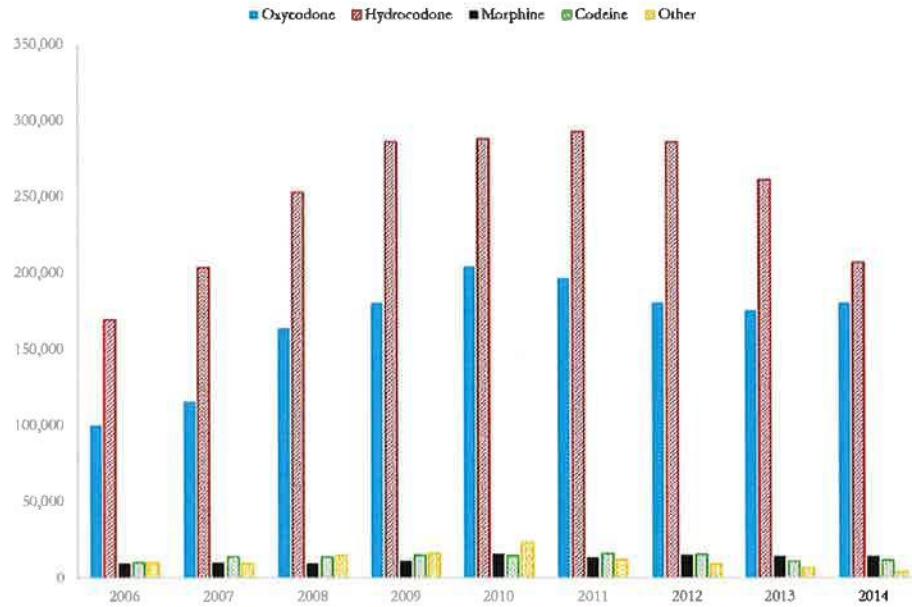
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Giant Eagle Pharmacy #4124
484 East Waterloo Rd
Akron, OH, 44319

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P-HBC-0016

Giant Eagle Pharmacy #4124, AG2819540
Total Dosage Units by Drug Family



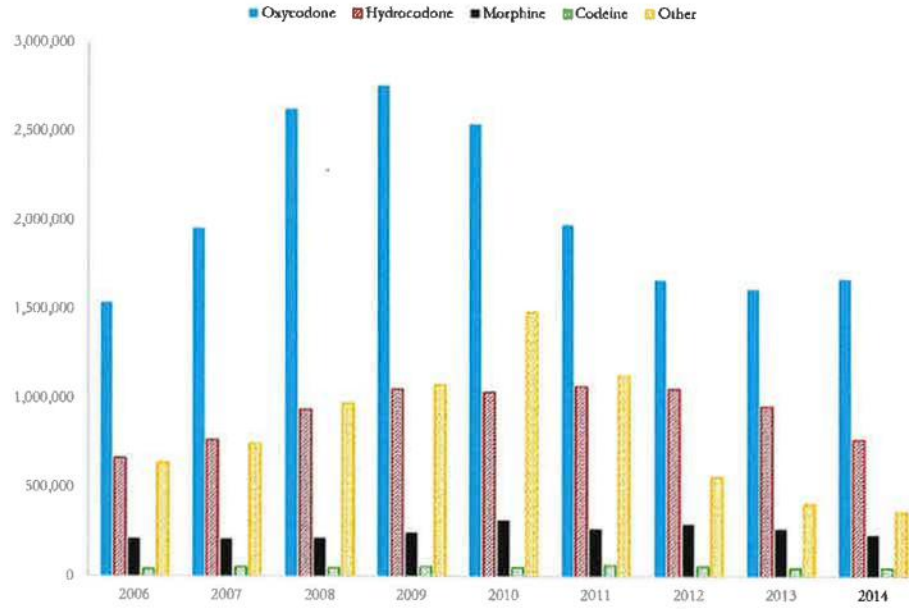
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Giant Eagle Pharmacy #4124
484 East Waterloo Rd
Akron, OH, 44319

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Giant Eagle Pharmacy #4124, AG2819540
Total MME by Drug Family



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Glaxo Pharmacy #4039
2801 East Waterloo Road
Akron, OH, 44312

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P-HBC-0016

Opioid Shipments to BG754372 by Distributor
2006-2014

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		Dosage	MMR	12 Drug Family		Average Pharmacy MME in County	Average Pharmacy MME in State	MME Percentile Within State
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg			Average Pharmacy MME in County	Average Pharmacy MME in State			
2006																
McKesson Corporation	PA 18101	51,500	518,969	97,560	384,651	6,600	167,854	5,800	141,078	166,340	1,996,299					
McKesson Corporation																
Total		51,500	348,969	97,560	384,651	6,600	167,854	5,800	141,078	166,340	1,996,299	2,504,224	2,488,196			41.08%
2007																
Anda, Inc	OH 43123	0	0	600	1,816	0	0	0	0	600	1,816					
Anda Pharmaceuticals Inc																
McKesson Corporation		81,200	879,553	136,800	525,664	5,500	164,969	5,500	195,864	238,745	2,719,867					
McKesson Corporation	PA 18101															
Total	81,200	879,553	137,400	527,480	5,500	164,969	5,500	195,864	238,745	2,721,699	3,221,083	2,665,429			31.41%	
2008																
Anda, Inc	IL 61331	0	0	3,000	19,411	0	0	0	0	3,000	9,604					
Anda, Inc																
McKesson Corporation		103,800	1,123,314	175,800	653,267	6,500	179,954	10,600	260,055	303,970	3,097,643					
McKesson Corporation	PA 18101															
Total	103,800	1,123,314	178,800	662,548	6,500	179,954	10,600	260,055	306,970	3,106,726	3,121,543	1,887,719			29.73%	
2009																
Anda, Inc	OH 43123	600	18,827	4,000	12,108	0	0	0	0	1,600	40,346					
Anda Pharmaceuticals Inc																
HBC Service Company		0	0	28,120	60,155	0	0	1,200	30,911	21,320	84,796					
HBC Service Company	PA 15301															
McKesson Corporation																
McKesson Corporation	PA 18101	71,100	707,070	157,800	593,443	6,800	135,736	7,100	163,940	746,275	2,134,867					
McKesson Corporation																
Total	71,700	725,896	181,920	684,705	6,800	135,736	8,300	196,801	274,145	2,268,831	3,438,261	3,121,530			46.80%	
2010																
Anda, Inc	OH 43123	0	0	3,000	11,200	0	0	0	0	3,000	11,200					
Anda Pharmaceuticals Inc																
HBC Service Company		0	0	169,900	609,578	0	0	2,900	194,469	177,000	636,751					
HBC Service Company	PA 15301															
McKesson Corporation																
McKesson Corporation	PA 18101	101,500	779,193	21,000	66,389	7,800	252,296	3,500	30,941	136,585	1,912,136					
McKesson Corporation																
Total	101,500	779,193	194,100	707,067	7,800	252,296	5,400	25,430	317,585	2,561,109	3,684,288	3,168,759			42.68%	

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Grant Hagle Pharmacy #4929
3801 East Warden Road
Akron, OH 44312

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P-HBC-0016

Opioid Shipments to BG754372 by Distributor
2006-2014

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		Demage	MMR	12 Drug Family		
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg			Average Pharmacy MME in County	Average Pharmacy MME in State	MMR Percentile Within State
2011														
Anda, Inc.														
Anda Pharmaceuticals Inc.	OH 43123	900	1,345	2,600	10,100	0	0	0	0	2,900	12,125			
HBC Service Company														
HBC Service Company	PA 15501	0	0	200,520	725,268	0	0	8,400	194,489	209,220	754,441			
McKesson Corporation														
McKesson Corporation	PA 16101	133,200	959,233	26,900	117,927	11,700	250,867	1,100	36,321	169,615	2,496,934			
Total		133,800	960,078	230,120	853,303	11,700	250,867	9,500	221,810	392,735	3,263,501	3,934,211	3,391,090	86.50%
2012														
Anda, Inc.														
Anda Pharmaceuticals Inc.	OH 43123	0	0	7,600	25,730	0	0	0	0	7,600	25,730			
Anda, Inc.	FL 33331	0	0	4,500	17,405	0	0	0	0	4,500	17,405			
HBC Service Company														
HBC Service Company	PA 15501	0	0	210,400	847,105	0	0	10,500	213,111	259,900	923,572			
McKesson Corporation														
McKesson Corporation	PA 16101	155,700	1,083,465	14,420	59,041	12,600	233,496	1,100	23,297	190,218	2,699,393			
Total		155,700	1,083,465	266,120	1,095,281	12,600	233,496	11,600	266,408	453,318	3,666,080	3,773,673	3,858,799	28.79%
2013														
Anda, Inc.														
Anda, Inc.	FL 33331	0	0	1,500	4,541	0	0	0	0	1,500	4,541			
HBC Service Company														
HBC Service Company	PA 15501	0	0	718,990	826,540	0	0	9,200	229,850	228,190	861,016			
McKesson Corporation														
McKesson Corporation	PA 16101	142,900	918,350	11,120	45,908	10,300	252,070	1,400	30,363	174,562	2,420,537			
Total		142,900	918,350	231,610	883,069	10,800	252,070	10,600	260,213	404,252	3,297,995	3,537,990	3,814,154	31.66%
2014														
Anda, Inc.														
Anda, Inc.	FL 33331	0	0	0	0	0	0	1,300	26,351	1,300	4,349			
HBC Service Company														
HBC Service Company	PA 15501	0	0	154,400	608,150	0	0	3,300	79,564	157,700	620,063			
McKesson Corporation														
McKesson Corporation	PA 16101	150,400	959,330	45,000	189,098	9,700	192,551	3,400	79,771	216,394	2,712,375			
Total		150,400	959,330	200,300	797,248	9,700	192,551	8,000	188,616	375,394	3,336,779	3,106,211	3,874,533	29.93%

Grant Eagle Pharmacy, LLC
7804 East Wacker Road
Aurora, OH 43122

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P-HBC-0016

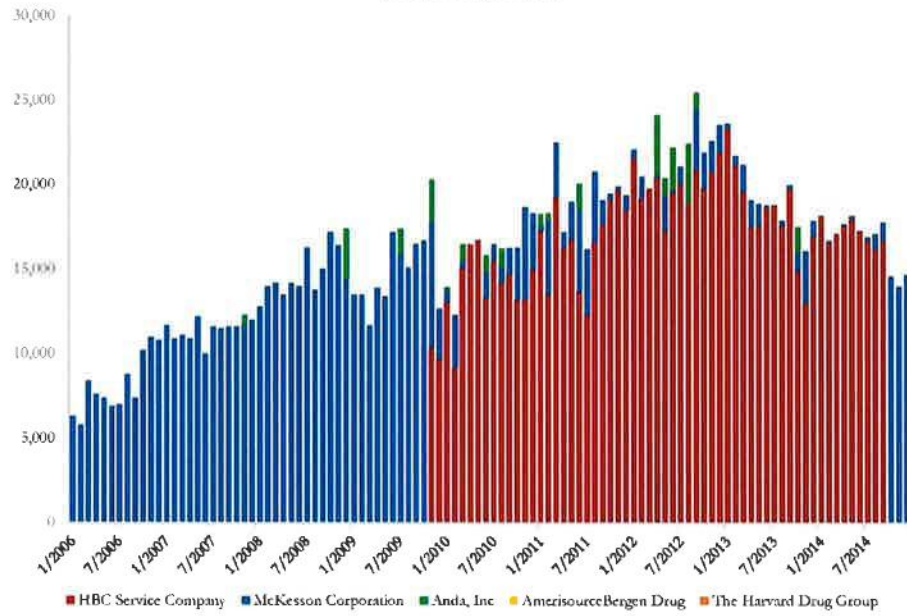
Opioid Shipments to BG7543172 by Distributor
2006-2011

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine				12 Drug Family			
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MMR	Average Pharmacy MMR in County	Average Pharmacy MMR in State	MMR Prevalence Within State	
2006-2011 AVERAGE		119,187	886,470	159,926	722,795	6,644	263,313	9,144	217,222	333,908	2,912,257	3,442,923	2,084,687	38.28%	

Giant Eagle Pharmacy #4029
2801 East Waterloo Road
Akron, OH, 44312

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P-HBC-0016

Hydrocodone Shipments to BG7543172
(Total Dosage Units)



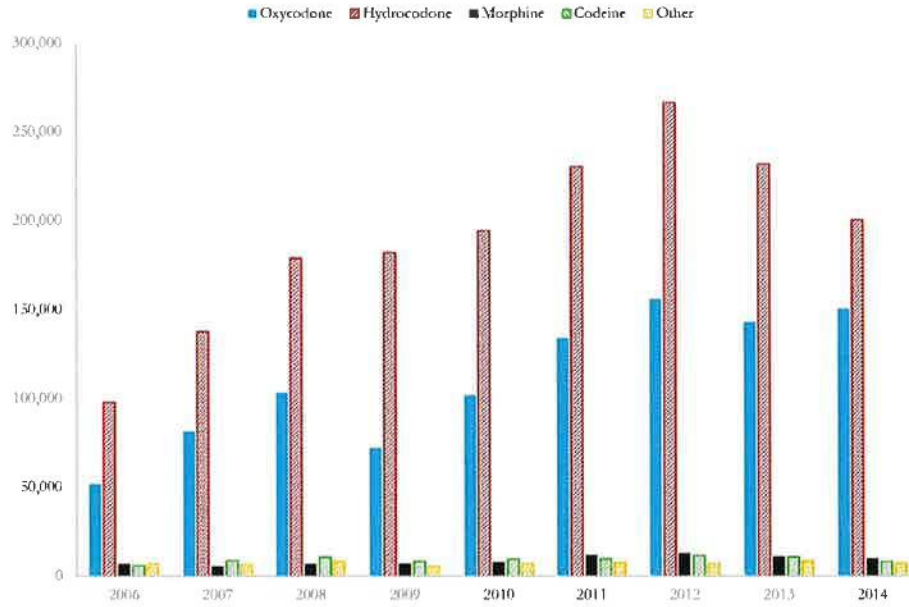
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Giant Eagle Pharmacy #4029
2801 East Waterloo Road
Akron, OH, 44312

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P-HBC-0016

**Giant Eagle Pharmacy #4029, BG7543172
Total Dosage Units by Drug Family**



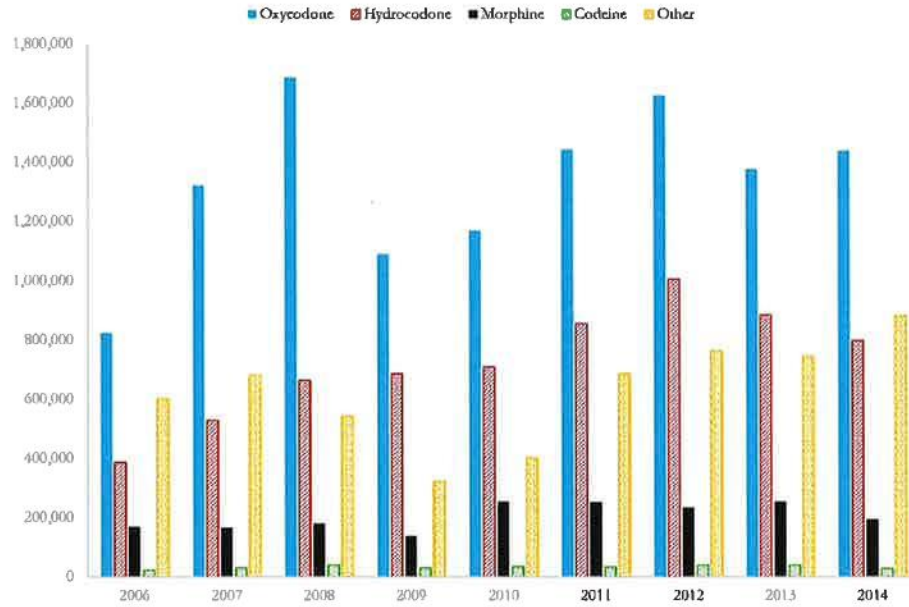
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Giant Eagle Pharmacy #4029
2001 East Warlick Road
Alton, OH, 44312

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P-HBC-0016

Giant Eagle Pharmacy #4029, BG7543172
Total MME by Drug Family



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Glenn Page Pharmacy #4090
205 West Ave
Tallmadge, OH 44788

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P-HBC-0016

Opioid Shipments to H07543209 by Distributor
2006-2014

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		12 Drug Family					
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MMR	Average Pharmacy MMR in County	Average Pharmacy MMR in State	MMR Percentile Within State	
2006															
McKesson Corporation	PA 16101														
McKesson Corporation		38,400	292,703	74,700	276,335	6,300	436,229	7,000	193,752	128,560	1,288,363				
Total		38,400	292,703	74,700	276,335	6,300	436,229	7,000	193,752	128,560	1,288,363	2,904,224	2,488,196	55.21%	
2007															
Anda, Inc.	OH 43125														
Anda Pharmaceuticals Inc.		0	0	400	1,516	0	0	0	0	400	1,616				
Total		0	0	400	1,516	0	0	0	0	400	1,616				
McKesson Corporation	PA 16101														
McKesson Corporation		33,200	352,323	122,900	437,080	6,900	465,864	3,100	74,036	190,052	1,785,497				
Total		33,200	352,323	122,900	437,080	6,900	465,864	3,100	74,036	190,052	1,787,313	3,221,885	2,665,429	58.15%	
2008															
Anda, Inc.	OH 43125														
Anda Pharmaceuticals Inc.		0	0	3,000	9,081	0	0	0	0	3,000	9,081				
Total		0	0	3,000	9,081	0	0	0	0	3,000	9,081				
McKesson Corporation	PA 16101														
McKesson Corporation		79,500	549,539	134,400	505,250	7,600	195,062	6,000	237,070	226,275	1,979,236				
Total		79,500	549,539	134,400	505,250	7,600	195,062	6,000	237,070	226,275	1,988,317	3,121,543	2,887,719	68.82%	
2009															
Anda, Inc.	OH 43125														
Anda Pharmaceuticals Inc.		0	0	3,000	12,106	0	0	0	0	3,000	12,106				
Total		0	0	3,000	12,106	0	0	0	0	3,000	12,106				
HBC Service Company	PA 15301														
HBC Service Company		0	0	29,250	106,929	0	0	1,200	30,941	30,450	111,570				
Total		0	0	29,250	106,929	0	0	1,200	30,941	30,450	111,570				
McKesson Corporation	PA 16101														
McKesson Corporation		118,100	893,586	145,260	544,371	10,600	777,561	7,100	186,974	290,145	2,759,530				
Total		118,100	893,586	145,260	544,371	10,600	777,561	7,100	186,974	290,145	2,808,008	3,438,261	3,121,530	56.07%	
2010															
HBC Service Company	PA 15301														
HBC Service Company		0	0	174,800	634,730	0	0	4,200	97,244	176,800	649,115				
Total		0	0	174,800	634,730	0	0	4,200	97,244	176,800	649,115				
McKesson Corporation	PA 16101														
McKesson Corporation		150,300	1,207,385	10,900	60,922	13,400	334,666	500	270,000	163,500	3,047,247				
Total		150,300	1,207,386	10,900	60,922	13,400	334,666	4,200	105,401	361,950	3,696,563	5,884,208	3,169,739	36.85%	
2011															
HBC Service Company	PA 15301														
HBC Service Company		0	0	174,800	634,730	0	0	4,200	97,244	176,800	649,115				
Total		0	0	174,800	634,730	0	0	4,200	97,244	176,800	649,115				

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Giant Eagle Pharmacy #4950
205 West Ave
Tallmadge, OH, 44278

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P-HBC-0016

Opioid Shipments to BG7543209 by Distributor
2006-2014

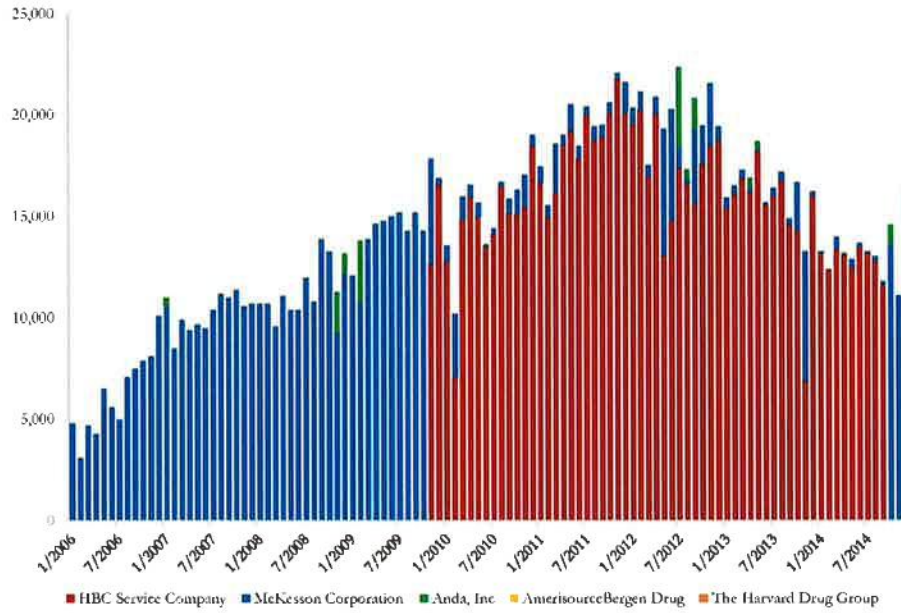
Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		Dosage	12 Drug Family			
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg		MMF Pharmacy MMB to County	Average Pharmacy MMB to County	Average Pharmacy MMB to County	MMF Pharmacy MMB to County
HBC Service Company	PA 15301	0	0	223,170	\$30,629	0	0	7,300	172,368	230,570	856,487			
McKesson Corporation	PA 16101	149,800	1,233,629	10,200	66,163	15,000	530,056	500	11,124	187,365	5,418,402			
Total		149,800	1,233,629	233,370	896,792	15,000	530,056	7,900	183,512	417,935	4,274,889	3,934,211	3,391,090	23.51%
2012														
Anda, Inc.		3,600	21,516	6,000	27,843	0	0	0	0	9,600	59,217			
Anda Pharmaceuticals Inc.	OH 43123	3,600	21,516	500	2,270	0	0	0	0	4,100	34,544			
Anda, Inc.	FL 33331	0	0	5,500	26,573	0	0	0	0	5,500	26,973			
HBC Service Company	PA 15301	0	0	209,320	759,484	0	0	8,300	190,169	217,530	787,994			
McKesson Corporation	PA 16101	141,000	1,106,460	25,450	113,021	14,200	520,154	2,100	48,622	191,305	5,148,631			
Total		144,600	1,127,976	240,650	906,648	14,200	520,154	10,400	238,691	421,475	5,996,145	5,775,073	3,250,789	23.21%
2013														
Anda, Inc.	FL 33331	0	0	900	4,238	0	0	0	0	900	4,238			
HBC Service Company	PA 15301	0	0	18,040	661,320	0	0	6,100	137,026	189,140	681,871			
McKesson Corporation	PA 16101	122,000	929,656	11,630	51,181	10,300	215,222	500	9,205	153,919	2,355,645			
Total		122,000	929,656	190,570	717,739	10,800	215,222	6,600	146,231	343,959	3,043,757	3,537,890	3,014,154	26.32%
2014														
Anda, Inc.	FL 33331	0	0	1,000	4,341	0	0	500	23,101	1,500	7,856			
HBC Service Company	PA 15301	0	0	115,100	433,725	0	0	5,000	110,505	120,400	450,301			
McKesson Corporation	PA 16101	130,400	1,082,748	41,070	172,980	13,200	298,345	4,000	91,810	199,630	2,751,369			
Total		130,400	1,082,748	157,170	611,346	13,200	298,345	9,500	224,416	321,530	3,209,535	3,306,211	2,874,533	33.73%
2006-2014 AVERAGE		109,678	852,194	169,783	637,223	18,880	364,654	7,278	180,892	305,679	3,907,328	3,435,923	4,984,689	27.46%

Giant Eagle Pharmacy #4030
205 West Ave
Tallmadge, OH, 44278

CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Hydrocodone Shipments to BG7543209
(Total Dosage Units)



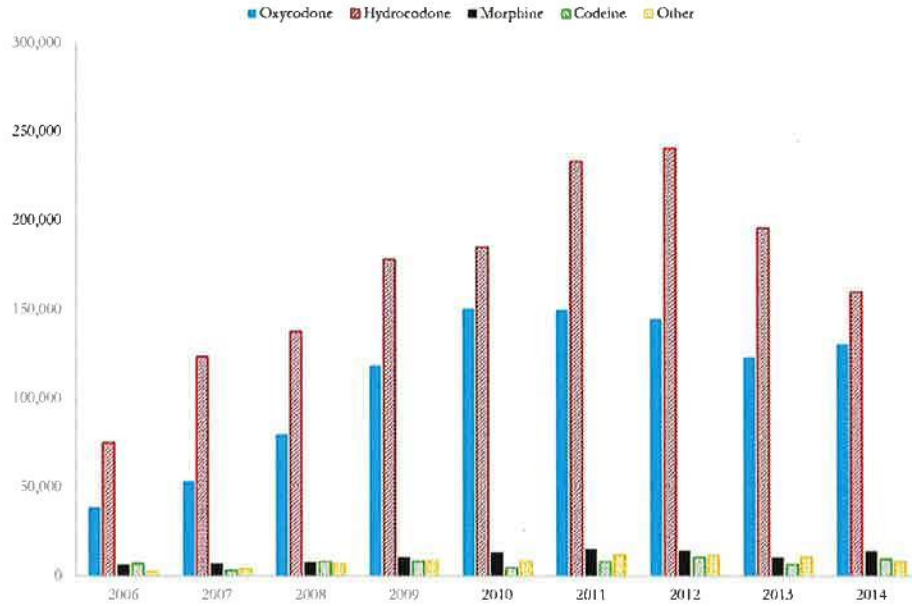
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Giant Eagle Pharmacy #4030
205 West Ave
Tulmage, OH, 44278

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Giant Eagle Pharmacy #4030, BG7543209
Total Dosage Units by Drug Family



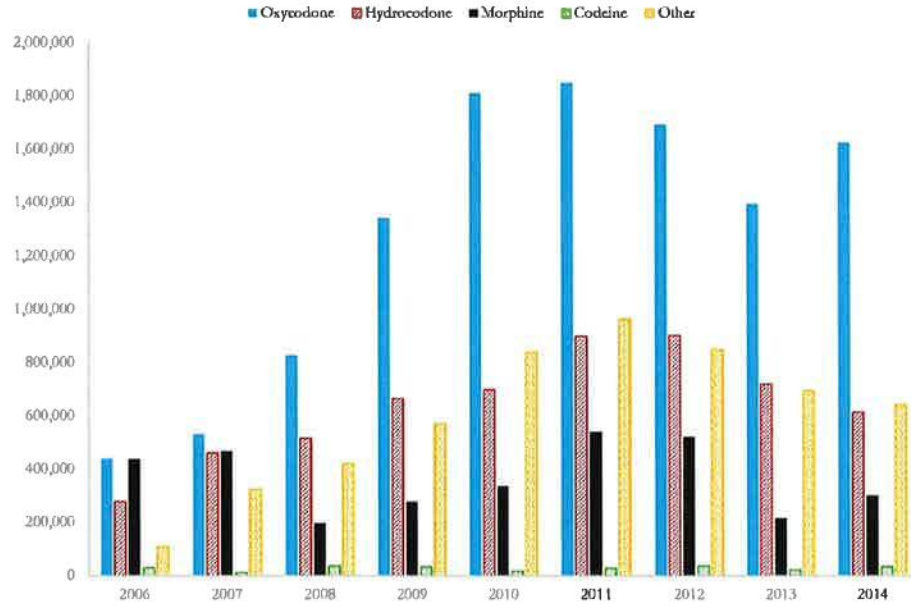
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Giant Eagle Pharmacy #4030
325 West Ave.
Tallmadge, OH, 44278

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Giant Eagle Pharmacy #4030, BG7543209
Total MME by Drug Family



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Giant Eagle Pharmacy #1036
2687 State Road
Cuyahoga Falls, OH, 44223

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Optical Shipments to AG2819538 by Distributor
2006-2014

Company	State / Zip	Oxycodone		Hydrocodone		Morphine		Codeine		Dosage	MME	12 Drug Family		
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg			Average Pharmacy MME in County	Average Pharmacy MME in State	MME Percentile Within State
2006														
Anda, Inc. Anda Pharmaceuticals Inc.	OH 43123	0	0	0	256	0	0	0	0	0	256			
McKesson Corporation McKesson Corporation	PA 16101	44,900	294,492	101,000	393,066	6,200	151,152	7,000	188,595	162,635	1,218,433			
Total		44,900	294,492	101,000	393,066	6,200	151,152	7,000	188,595	162,635	1,248,720	2,904,224	2,488,196	60.44%
2007														
McKesson Corporation McKesson Corporation	PA 16101	74,900	527,272	137,300	538,134	10,000	225,224	8,000	191,984	232,900	2,005,050			
Total		74,900	527,272	137,300	538,134	10,000	225,224	8,000	191,984	232,900	2,005,050	3,221,085	2,663,429	45.18%
2008														
Anda, Inc. Anda Pharmaceuticals Inc.	OH 43123	0	0	3,500	11,632	0	0	0	0	3,500	11,632			
McKesson Corporation McKesson Corporation	PA 16101	71,300	417,363	172,300	654,977	11,100	245,152	7,000	179,755	263,265	2,032,996			
Total		71,300	417,363	175,800	666,610	11,100	245,152	7,000	179,755	266,765	2,044,992	3,121,543	2,887,719	47.45%
2009														
Anda, Inc. Anda Pharmaceuticals Inc. Anda, Inc.	OH 43123 FL 33331	0 0	0 0	3,800 700	26,336 3,784	0 0	0 0	0 0	0 0	3,800 700	26,336 3,784			
HBC Service Company HBC Service Company	PA 15301	0	0	27,140	99,316	0	0	1,800	39,782	26,540	105,253			
McKesson Corporation McKesson Corporation	PA 16101	82,300	501,771	116,860	667,829	11,300	216,952	9,100	244,920	264,265	2,168,076			
Total		82,300	501,771	209,860	793,480	11,300	216,952	10,900	284,701	318,895	2,400,316	3,438,261	3,123,530	46.12%
2010														
Anda, Inc. Anda Pharmaceuticals Inc.	OH 43123	0	0	2,000	7,368	0	0	0	0	2,000	7,368			
HBC Service Company HBC Service Company	PA 15301	0	0	168,160	611,521	0	0	10,100	221,610	178,160	644,965			
McKesson Corporation McKesson Corporation	PA 16101	91,600	586,335	13,630	91,878	9,100	155,664	800	6,639	120,865	1,527,523			

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Grant Eagle Pharmacy #4036
2687 State Road
Cuyahoga Falls, OH, 44223

CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER
P-HBC-0016

Opioid Shipments to AG2819538 by Distributor
2006-2014

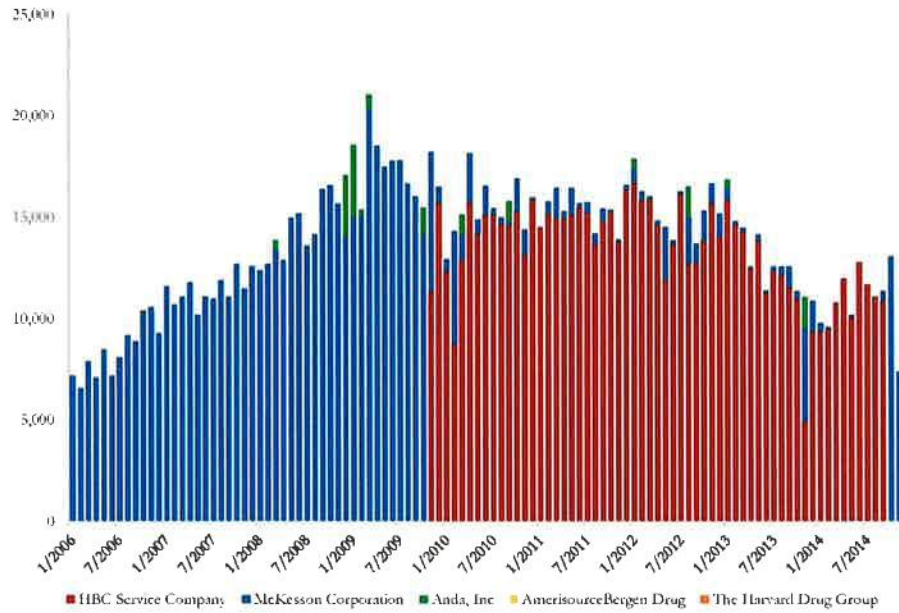
Company	State / Zip	Oxycodone		Hydrocodone		Morphine		Codeine		12 Drug Family				
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MMR	Average Pharmacy MMR in County	Average Pharmacy MMR in State	MMR Percentile Within State
Total		91,608	586,535	185,790	711,299	5,100	155,664	10,380	227,640	301,025	2,186,976	3,884,408	3,168,759	49.35%
2011														
HBC Service Company HBC Service Company	PA 15501	0	0	179,870	656,193	0	0	8,200	185,648	187,870	684,040			
McKesson Corporation McKesson Corporation	PA 16101	114,800	732,316	6,090	48,574	5,700	181,382	1,600	45,307	156,105	1,738,175			
Total		114,800	732,316	185,970	704,766	5,700	181,382	9,800	230,955	325,975	2,422,215	3,534,211	3,191,090	49.59%
2012														
Anda, Inc. Anda, Inc.	FL 33331	0	0	2,000	9,761	0	0	0	0	2,000	9,681			
HBC Service Company HBC Service Company	PA 15501	0	0	174,290	646,911	0	0	5,200	141,446	179,490	668,126			
McKesson Corporation McKesson Corporation	PA 16101	114,800	709,221	11,100	61,646	8,500	154,536	0	0	137,102	1,514,858			
Total		114,600	709,221	187,390	718,638	8,500	154,536	5,200	141,446	316,592	2,192,877	3,775,673	3,258,789	53.29%
2013														
Anda, Inc. Anda, Inc.	FL 33331	0	0	1,900	6,555	0	0	0	0	1,900	6,555			
HBC Service Company HBC Service Company	PA 15501	0	0	144,140	549,460	0	0	3,000	66,303	147,140	559,405			
McKesson Corporation McKesson Corporation	PA 16101	100,000	627,774	9,600	45,504	5,000	82,946	1,200	24,311	119,130	1,274,476			
Total		100,000	627,774	155,640	601,528	5,000	82,946	4,200	90,614	268,170	1,840,437	3,577,699	3,014,154	57.57%
2014														
Anda, Inc. Anda, Inc.	FL 33331	0	0	0	0	0	0	1,000	22,101	1,000	3,315			
HBC Service Company HBC Service Company	PA 15501	0	0	56,300	305,417	0	0	2,500	50,832	100,600	371,041			
McKesson Corporation McKesson Corporation	PA 16101	89,400	549,644	32,000	121,464	8,800	182,023	3,500	75,143	150,900	1,356,173			
Total		89,400	549,644	130,300	409,999	8,800	182,023	6,800	168,677	240,100	1,734,330	3,166,211	2,874,533	59.48%
2006-2014 AVERAGE		87,022	552,920	165,177	624,523	8,811	177,226	7,789	187,085	278,786	1,996,445	3,438,943	2,984,687	52.67%
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Giant Eagle Pharmacy #1036
2687 State Road
Cuyahoga Falls, OH, 44223

CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER
P-HBC-0016

Hydrocodone Shipments to AG2819538
(Total Dosage Units)



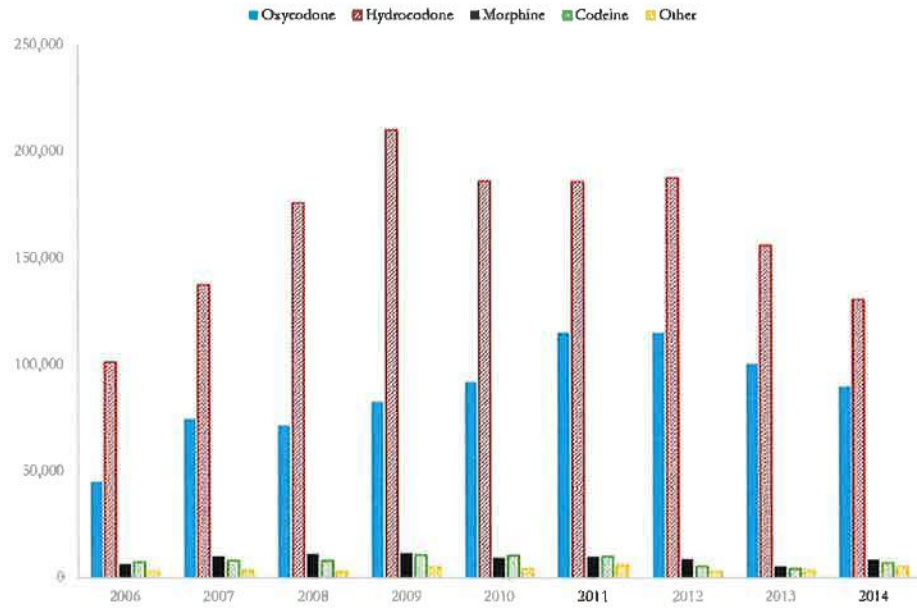
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Giant Eagle Pharmacy #4036
2667 State Road
Cuyahoga Falls, OH, 44223

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Giant Eagle Pharmacy #4036, AG2819538
Total Dosage Units by Drug Family



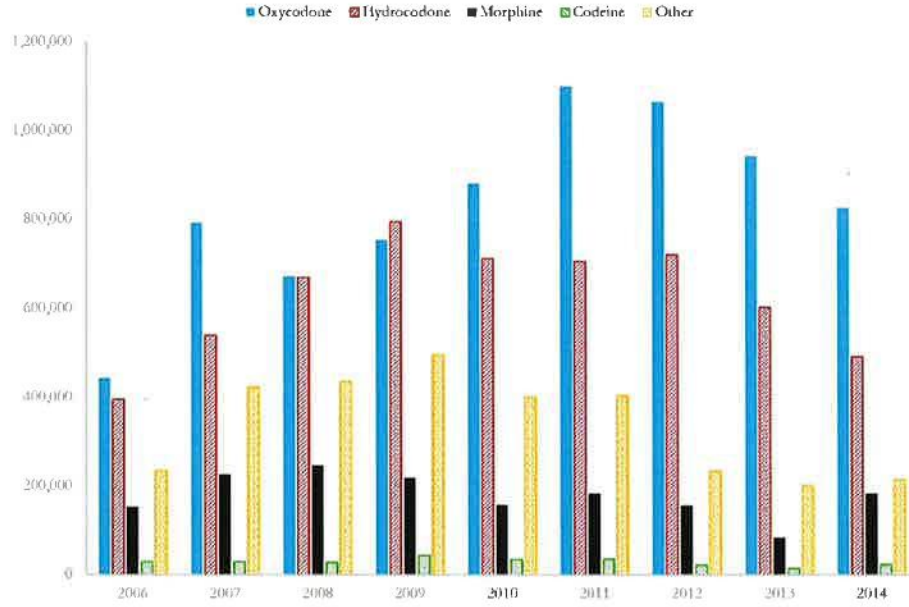
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Giant Eagle Pharmacy #4036
7667 State Road
Cuyahoga Falls, OH, 44223

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Giant Eagle Pharmacy #4036, AG2819538
Total MME by Drug Family



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Giant Eagle Pharmacy #6576
6301 Biddis
Brooklyn, OH, 44144

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Opioid Shipments to BG6784450 by Distributor

2004-2014

Company	State / Zip	Oxycodone		Hydrocodone		Morphine		Codeine		Dosage	12 Drug Family				
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg		MMR	Average Pharmacy MMR in County	Average Pharmacy MMR in State	MMR Percentile Within State	
2006															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	0	0	3,200	13,319	0	0	0	0	3,200	13,319			
McKesson Corporation	McKesson Corporation	PA 16101	8,500	194,336	77,600	321,259	3,300	56,961	8,400	209,960	125,045	800,949			
Total			36,500	194,336	80,800	334,578	2,300	56,961	8,400	209,960	125,045	800,949	1,633,287	2,485,196	74.94%
2007															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43133	0	0	3,300	9,681	0	0	0	0	2,500	9,681			
McKesson Corporation	McKesson Corporation	PA 16101	56,400	290,421	102,300	436,404	1,300	28,436	11,700	316,307	172,646	1,127,804			
Total			56,400	290,421	105,600	445,485	1,300	28,436	11,700	316,307	175,146	1,136,685	1,585,776	2,443,429	66.68%
2008															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	0	0	1,500	3,297	0	0	0	0	1,500	3,297			
McKesson Corporation	McKesson Corporation	PA 16101	62,800	313,954	133,700	518,851	3,900	77,149	9,400	226,609	210,290	1,266,207			
Total			62,800	313,954	135,200	522,149	3,900	77,149	9,400	226,609	211,790	1,271,504	2,419,372	2,887,719	66.27%
2009															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	0	0	5,900	22,551	0	0	0	0	3,900	22,551			
HBC Service Company	HBC Service Company	PA 15301	0	0	21,120	76,450	0	0	1,700	90,941	77,370	83,131			
McKesson Corporation	McKesson Corporation	PA 16101	61,400	345,649	123,000	477,317	3,400	75,576	8,900	179,016	197,275	1,271,875			
Total			61,400	345,649	152,020	578,308	3,400	75,576	8,900	209,960	225,495	1,377,530	2,316,301	3,125,530	66.77%
2010															
Anda, Inc.	Anda Pharmaceuticals Inc.	OH 43125	0	0	400	1,968	0	0	0	0	400	1,968			
HBC Service Company	HBC Service Company	PA 15301	0	0	15,040	54,136	0	0	3,300	203,129	164,460	614,835			
McKesson Corporation															

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Giant Eagle Pharmacy #6776
6300 Indianapolis
Brooklyn, OH, 44144

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
P-HBC-0016

Opioid Shipments to BG6784450 by Distributor
2008-2014

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		12 Drug Family				
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MMR	Average Pharmacy MME in County	Average Pharmacy MME in State	MMR Percentile Within State
McKesson Corporation	PA 16101	79,400	397,832	7,690	39,026	2,000	34,742	300	5,525	91,150	926,945			
Total		79,400	397,832	163,959	625,330	2,000	34,742	8,000	200,854	256,319	1,543,747	2,454,813	3,168,759	62.86%
2011														
Anda, Inc. Anda Pharmaceuticals Inc.	OH 43125	0	0	100	454	0	0	0	0	100	454			
HBC Service Company HBC Service Company	PA 15101	0	0	186,909	711,170	0	0	10,710	251,551	197,600	750,963			
McKesson Corporation McKesson Corporation	PA 16101	91,600	501,681	7,430	33,699	5,400	106,418	1,300	28,731	110,780	1,194,106			
Total		91,600	501,681	194,439	747,315	5,400	106,418	11,000	288,683	308,480	1,945,523	2,513,768	3,291,090	58.96%
2012														
Anda, Inc. Anda Pharmaceuticals Inc.	OH 43125	1,900	4,483	2,500	11,351	0	0	0	0	1,500	18,071			
HBC Service Company HBC Service Company	PA 15101	0	0	173,310	661,308	0	0	12,900	304,594	154,210	707,057			
McKesson Corporation McKesson Corporation	PA 16101	102,100	523,780	22,150	96,839	4,600	103,174	700	11,597	132,002	1,318,066			
Total		103,100	528,263	198,369	770,496	4,600	103,174	13,600	316,591	321,712	1,941,190	2,268,234	3,296,789	59.43%
2013														
Anda, Inc. Anda, Inc.	FL 33531	0	0	1,000	3,027	0	0	0	0	1,000	3,027			
HBC Service Company HBC Service Company	PA 15101	0	0	151,170	588,078	0	0	9,000	221,010	150,170	631,239			
McKesson Corporation McKesson Corporation	PA 16101	103,000	526,470	14,900	77,478	4,100	82,344	1,300	21,707	126,275	1,215,536			
Total		103,000	526,470	166,420	668,583	4,100	82,344	12,300	292,717	286,395	1,839,784	2,095,942	3,014,154	57.66%
2014														
Anda, Inc. Anda, Inc.	FL 33531	0	0	0	573	0	0	0	0	0	573			
HBC Service Company HBC Service Company	PA 15101	0	0	100,200	391,325	0	0	4,300	833,046	191,300	410,299			
McKesson Corporation														

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Giant Eagle Pharmacy #6156
5300 Rockledge
Bedford, OH, 44011

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Opioid Shipments to BG6784450 by Distributor
2006-2014

Company	State / Zip	Oxycodone		Hydrocodone		Morphine		Codeine		B2 Drug Family				
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MME	Average Pharmacy MME in County	Average Pharmacy MME in State	MME Percentile Within State
McEwen Corporation	PA 16101	55,900	83,769	33,400	133,571	2,300	50,760	9,800	273,825	130,260	1,166,543			
Total		88,900	485,769	132,600	527,869	2,300	50,760	13,400	347,393	240,780	1,597,706	1,902,415	2,874,533	62.91%
2006-2014 AVERAGE		75,982	398,596	110,633	580,863	3,256	68,617	10,844	263,653	239,373	1,498,208	2,111,213	2,984,669	64.85%

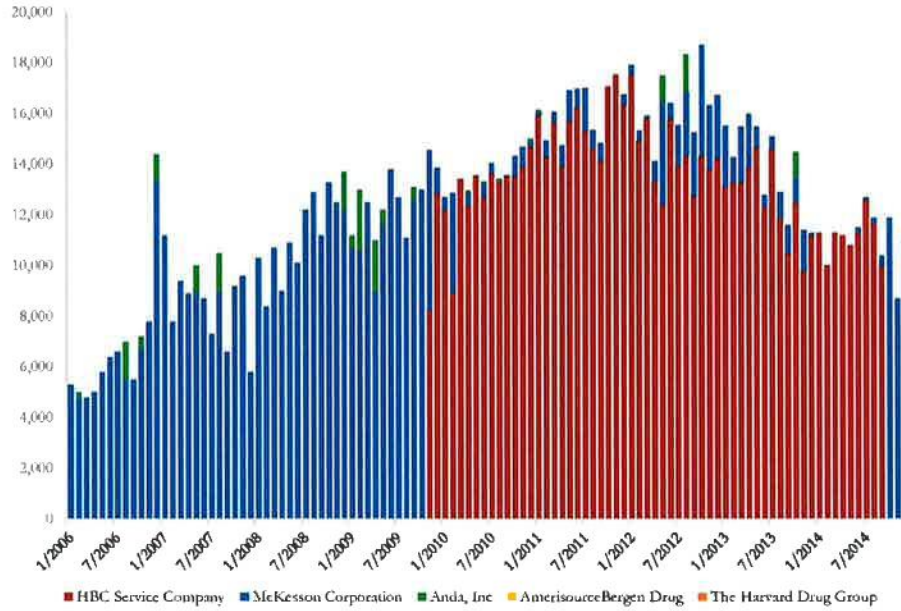
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Giant Eagle Pharmacy #6376
6300 Biddulph
Brooklyn, OH, 44144

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Hydrocodone Shipments to BG6784450
(Total Dosage Units)



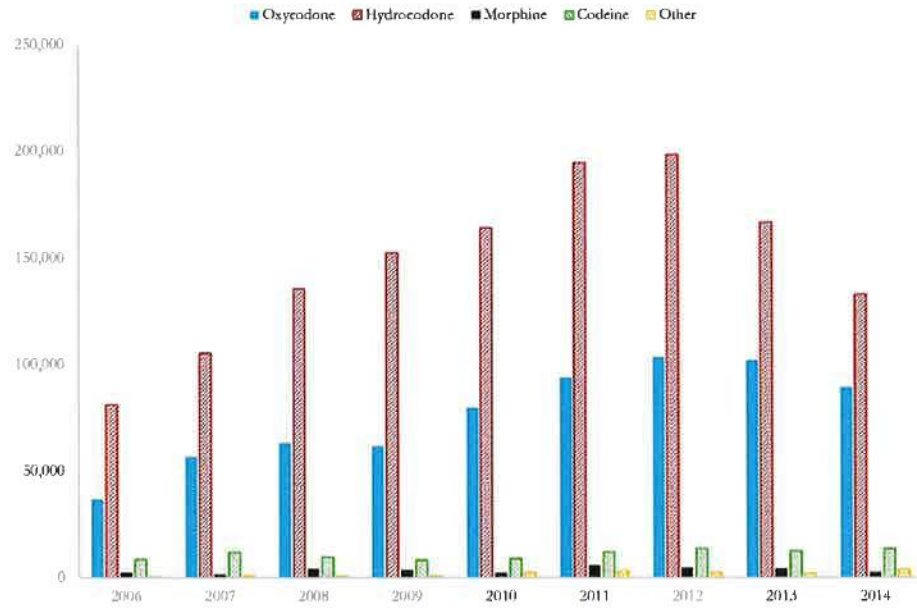
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Giant Eagle Pharmacy #6376
6300 Balafox
Brooklyn, OH, 44144

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

**Giant Eagle Pharmacy #6376, BG6784450
Total Dosage Units by Drug Family**



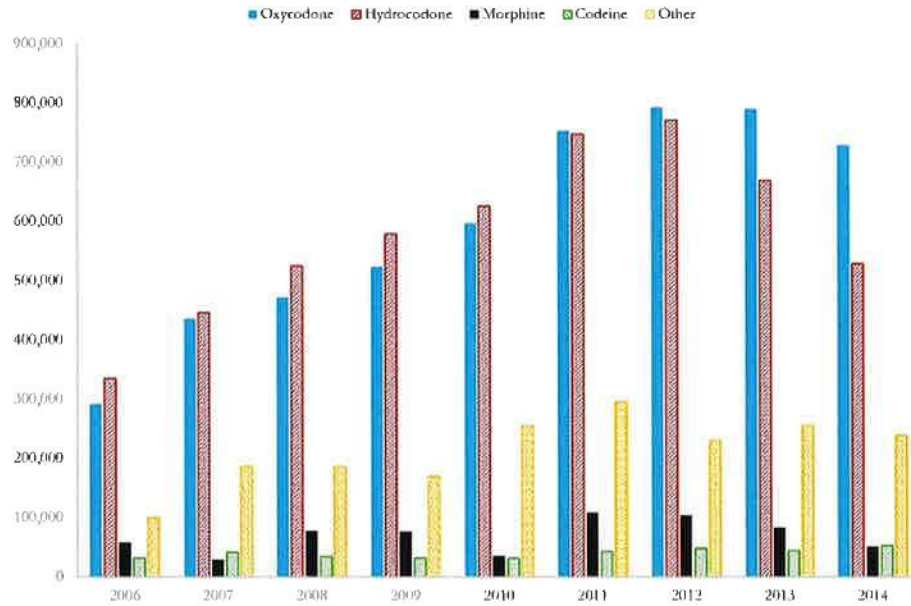
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Giant Eagle Pharmacy #6376
8300 Parkside
Brooklyn, OH, 44144

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Giant Eagle Pharmacy #6376, BG6784450
Total MME by Drug Family



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Giant Eagle Pharmacy #5878
230 Howe Rd
Cuyahoga Falls, OH, 44221

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
P-HBC-0016

Opioid Shipments to PG0138873 by Distributor
2007-2014

Company	State/Zip	Oxycodone		Hydrocodone		Morphine		Codeine		12 Drug Family						
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	MMR	Average Pharmacy MMR in County	Average Pharmacy MMR in State	MMR Percentile Within State		
2007																
McKesson Corporation	PA 16101	24,999	153,526	52,400	193,313	1,800	42,608	2,800	58,362	62,175	653,576					
McKesson Corporation																
Total		24,999	153,526	52,400	193,313	1,800	42,608	2,800	58,362	62,175	653,576	3,221,883	2,465,429	81.97%		
2008																
Anda, Inc.	OH 43125 FL 33534	0	0	2,200	7,268	0	0	0	0	2,200	7,268					
Anda Pharmaceuticals Inc		0	0	2,000	6,091	0	0	0	0	2,000	6,091					
Anda, Inc.		0	0	200	1,211	0	0	0	0	200	1,211					
McKesson Corporation	PA 16101	47,000	284,773	93,730	360,301	4,300	103,280	3,400	190,297	131,845	1,264,347					
McKesson Corporation																
Total		47,000	284,773	96,920	367,465	4,300	103,280	3,400	190,297	134,945	1,271,612	3,121,515	2,887,719	66.74%		
2009																
Anda, Inc.	OH 43125	0	0	3,900	14,521	0	0	0	0	3,900	14,521					
Anda Pharmaceuticals Inc																
HBC Service Company																
HBC Service Company	PA 15301	0	0	16,090	61,100	0	0	1,300	35,362	17,390	66,494					
McKesson Corporation	PA 16101	59,500	438,837	114,160	431,005	7,500	215,824	6,500	195,665	169,275	1,906,121					
McKesson Corporation																
Total		59,500	438,837	133,250	506,626	7,500	215,824	7,800	231,047	209,645	1,987,047	3,430,261	3,121,530	52.69%		
2010																
HBC Service Company	PA 15301	0	0	113,220	414,979	0	0	6,700	207,749	119,900	446,141					
HBC Service Company																
McKesson Corporation																
McKesson Corporation	PA 16101	64,400	504,416	8,370	44,066	7,100	194,160	1,400	31,372	86,725	2,008,963					
McKesson Corporation																
Total	64,400	504,416	121,590	459,044	7,100	194,160	8,100	245,121	206,645	2,455,107	3,884,886	3,168,759	44.71%			
2011																
Anda, Inc.	OH 43125	0	0	0	3,632	0	0	100	1,100	200	3,796					
Anda Pharmaceuticals Inc																
HBC Service Company																
HBC Service Company	PA 15301	0	0	158,580	583,385	0	0	10,300	344,776	168,880	635,101					
McKesson Corporation	PA 16101	96,400	642,597	4,920	29,043	7,800	220,362	2,900	87,613	117,825	1,842,553					
McKesson Corporation																
Total		96,400	642,597	163,500	612,428	7,800	220,362	3,800	115,528	136,705	1,960,378	3,999,671	3,587,513	47.71%		

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CONFIDENTIAL

Grant Eagle Pharmacy #5878
230 Howe Rd
Cuyahoga Falls, OH, 44221

Opiead Shipments to PC0838873 by Distributor

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
P-HBC-0016

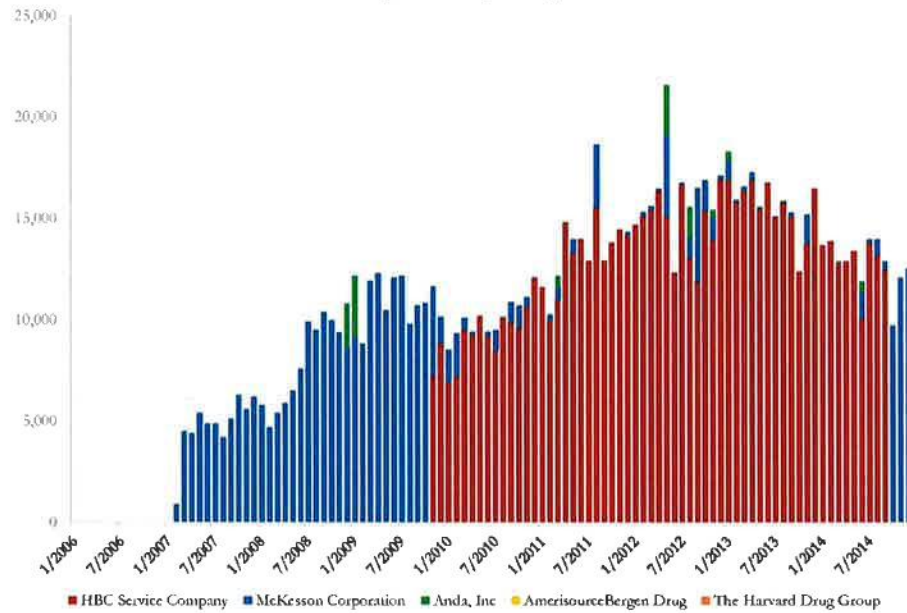
Company	User/Zip	2017		2018		2019		2020		2021		2022		2023		2024		2025	
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg
2017																			
Total		96,400	642,297	164,100	616,600	7,000	279,542	14,300	434,004	207,200	2,004,455	1,504,201	1,101,000	48,370					
2018																			
Amul, Inc		OH 43125	0	0	4,400	16,545	0	0	0	0	4,400	16,545							
HBC Service Company		PA 15501	0	0	177,670	632,090	0	0	11,100	358,076	168,170	685,706							
McKesson Corporation		PA 16101	111,500	759,041	13,070	48,357	5,100	18,218	1,200	31,124	142,047	1,508,135							
Total			111,500	759,041	134,500	714,200	10,900	95,218	12,300	39,500	334,617	2,087,984	1,719,613	1,320,799	45,370				
2019																			
Amul, Inc		OH 43125	0	0	500	3,097	0	0	0	0	500	3,097							
HBC Service Company		PA 15501	0	0	300	605	0	0	0	0	300	605							
McKesson Corporation		PA 16101	0	0	200	2,491	0	0	0	0	200	2,491							
Total			0	0	1,800	6,193	0	0	0	0	1,800	6,193							
2020																			
Amul, Inc		OH 43125	0	0	500	3,097	0	0	0	0	500	3,097							
HBC Service Company		PA 15501	0	0	300	605	0	0	0	0	300	605							
McKesson Corporation		PA 16101	136,400	837,626	3,400	21,080	5,400	317,687	2,200	550,42	149,233	1,548,514							
Total			136,400	837,626	3,400	194,900	9,400	217,627	18,000	535,535	364,572	2,604,879	1,337,990	1,014,154	42,390				
2021																			
Amul, Inc		OH 43125	0	0	400	3,432	0	0	0	0	400	3,432							
HBC Service Company		PA 15501	0	0	100	305	0	0	0	0	100	305							
McKesson Corporation		PA 16101	161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
Total			161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
2022																			
Amul, Inc		OH 43125	0	0	400	3,432	0	0	0	0	400	3,432							
HBC Service Company		PA 15501	0	0	100	305	0	0	0	0	100	305							
McKesson Corporation		PA 16101	161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
Total			161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
2023																			
Amul, Inc		OH 43125	0	0	400	3,432	0	0	0	0	400	3,432							
HBC Service Company		PA 15501	0	0	100	305	0	0	0	0	100	305							
McKesson Corporation		PA 16101	161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
Total			161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
2024																			
Amul, Inc		OH 43125	0	0	400	3,432	0	0	0	0	400	3,432							
HBC Service Company		PA 15501	0	0	100	305	0	0	0	0	100	305							
McKesson Corporation		PA 16101	161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
Total			161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
2025																			
Amul, Inc		OH 43125	0	0	400	3,432	0	0	0	0	400	3,432							
HBC Service Company		PA 15501	0	0	100	305	0	0	0	0	100	305							
McKesson Corporation		PA 16101	161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							
Total			161,230	944,119	37,000	141,562	16,400	192,437	3,000	81,774	195,525	1,964,199							

Giant Eagle Pharmacy #5878
230 Howe Rd
Cuyahoga Falls, OH, 44221

CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Hydrocodone Shipments to FG0138873
(Total Dosage Units)



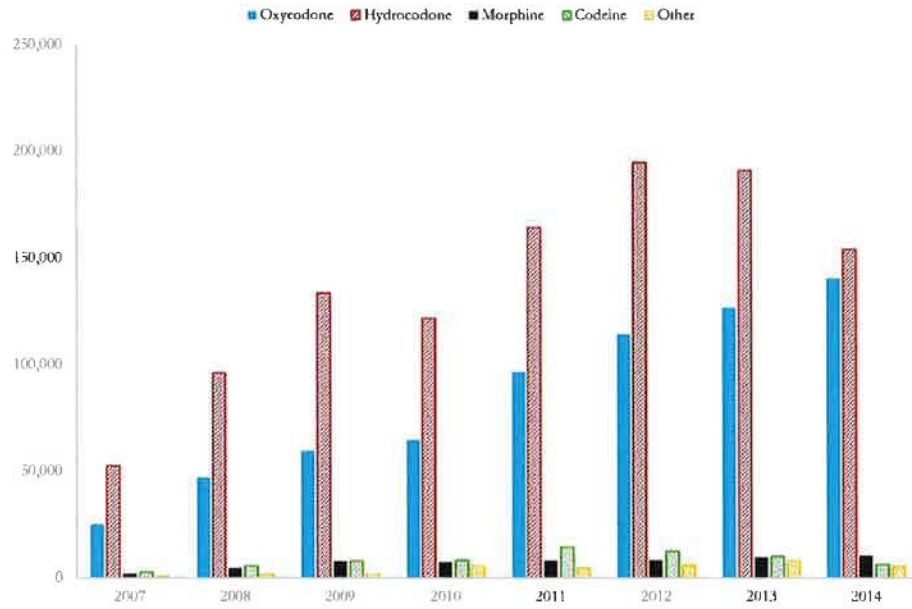
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Giant Eagle Pharmacy #5876
250 Howe Rd
Cuyahoga Falls, OH, 44221

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Giant Eagle Pharmacy #5876, FG0138873
Total Dosage Units by Drug Family



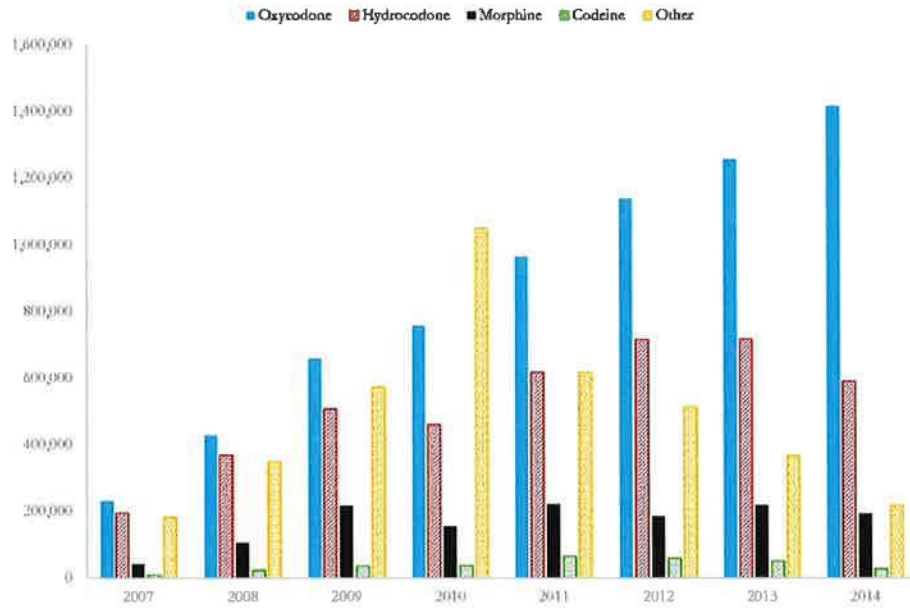
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Giant Eagle Pharmacy #5878
730 Howe Rd
Cuyahoga Falls, OH 44221

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

P-HBC-0016

Giant Eagle Pharmacy #5878, PG0138873
Total MME by Drug Family



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Cuyahoga - 2009-2014 - Annual Totals

P-HBC-0017
CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

Dosage Units To Giant Eagle Pharmacies				
Hydrocodone				
Cuyahoga, OH Total	10,103,720	3,143,519	186,400	
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc
2009 Total		307,820	1,888,650	55,700
2010 Total		2,006,300	190,210	9,900
2011 Total		2,335,950	114,920	3,300
2012 Total		2,170,450	288,140	77,000
2013 Total		1,952,700	194,070	33,200
2014 Total		1,330,500	467,520	7,300

Cuyahoga - Annual Totals

P-HBC-0017
CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER

Dosage Units To Giant Eagle Pharmacies						
Hydrocodone						
Cuyahoga, OH Total	10,103,720	7,426,680	249,700	600	500	
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc	AucisourceBegen Drug	The Harvard Drug Group
2006 Total			903,200	5,900		
2007 Total			1,422,000	20,000	600	500
2008 Total			1,957,970	37,400		
2009 Total		307,820	1,888,650	55,700		
2010 Total		2,006,300	190,210	9,900		
2011 Total		2,335,950	114,920	3,300		
2012 Total		2,170,450	288,140	77,000		
2013 Total		1,952,700	194,070	33,200		
2014 Total		1,330,500	467,520	7,300		

Summit 2009 2014 Annual Totals CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER P-11BC-0017

Dosage Units To Giant Eagle Pharmacies				
Hydrocodone				
Summit, OH Total		8,892,360	2,517,220	171,000
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc
2009 Total		246,580	1,581,340	57,100
2010 Total		1,659,920	149,700	27,200
2011 Total		1,990,250	109,060	4,800
2012 Total		1,979,720	162,360	54,600
2013 Total		1,788,690	126,410	25,700
2014 Total		1,227,200	388,350	1,600

Summit Annual Totals CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER P-11BC-0017

Dosage Units To Giant Eagle Pharmacies				
Hydrocodone				
Summit, OH Total		8,892,360	6,347,310	227,500
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc
2006 Total			912,760	8,700
2007 Total			1,307,300	13,800
2008 Total			1,610,050	34,000
2009 Total		246,580	1,581,340	57,100
2010 Total		1,659,920	149,700	27,200
2011 Total		1,990,250	109,060	4,800
2012 Total		1,979,720	162,360	54,600
2013 Total		1,788,690	126,410	25,700
2014 Total		1,227,200	388,350	1,600

OH - 2009-2014 - Annual Totals CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER P-HBC-0017

Dosage Units To Giant Eagle Pharmacies				
Hydrocodone				
Ohio State Total		68,893,060	20,628,340	1,248,600
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc
2009 Total		1,893,280	11,913,230	416,700
2010 Total		12,752,630	1,476,750	184,700
2011 Total		15,193,050	1,036,390	66,400
2012 Total		15,017,970	1,750,720	372,000
2013 Total		14,005,430	1,227,080	175,900
2014 Total		10,030,700	3,224,170	32,900

OH - Annual Totals CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER P-HBC-0017

Dosage Units To Giant Eagle Pharmacies						
Hydrocodone						
Ohio State Total		68,893,060	49,182,810	1,646,400	600	500
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc	AmerisourceBergen Drug	The Harvard Drug Group
2006 Total		-	6,800,440	43,100	-	-
2007 Total		-	9,605,620	94,000	600	500
2008 Total		-	12,148,410	260,700	-	-
2009 Total		1,893,280	11,913,230	416,700	-	-
2010 Total		12,752,630	1,476,750	184,700	-	-
2011 Total		15,193,050	1,036,390	66,400	-	-
2012 Total		15,017,970	1,750,720	372,000	-	-
2013 Total		14,005,430	1,227,080	175,900	-	-
2014 Total		10,030,700	3,224,170	32,900	-	-

Nationwide 2009 2014 Annual Totals CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER P-HBC-0017

Dosage Units To Giant Eagle Pharmacies				
Hydrocodone				
Nationwide Total	145,671,620	44,350,280	2,677,510	
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc
2009 Total		3,918,890	24,947,850	891,000
2010 Total		26,689,710	3,007,150	321,500
2011 Total		31,387,810	2,390,280	190,100
2012 Total		30,686,120	4,257,770	785,100
2013 Total		30,493,590	2,501,880	395,400
2014 Total		22,495,500	7,245,350	94,410

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Nationwide Annual Totals CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER P-HBC-0017

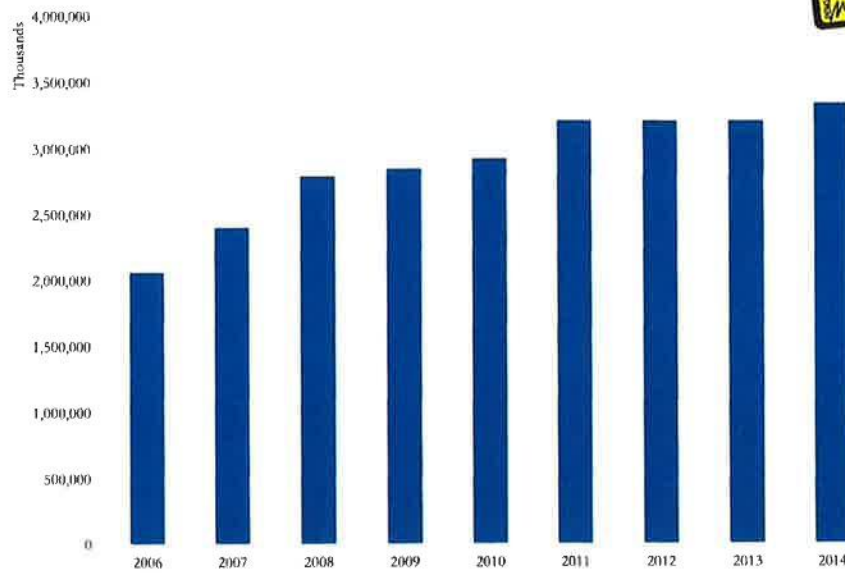
Dosage Units To Giant Eagle Pharmacies										
Hydrocodone										
Nationwide Total	145,671,620	11,192,730	3,787,640	22,100	2,600	1,000	500	500	100	
Year	Month	HBC Service Company	McKesson Corporation	Anda, Inc	Top Rx, Inc.	Cardinal Health	Goodwin Drug Co	AmerisourceBergens Drug	The Harnett Drug Group	Actavis Pharma, Inc.
2009 Total		3,918,890	24,947,850	891,000	6,500	-	500	-	-	-
2010 Total		26,689,710	3,007,150	321,500	8,500	2,000	500	500	500	-
2011 Total		31,387,810	2,390,280	190,100	-	-	-	-	-	100
2012 Total		30,686,120	4,257,770	785,100	-	-	-	-	-	-
2013 Total		30,493,590	2,501,880	395,400	-	-	-	-	-	-
2014 Total		22,495,500	7,245,350	94,410	-	-	-	-	-	-

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Appendix D Additional McKesson Figures and Tables

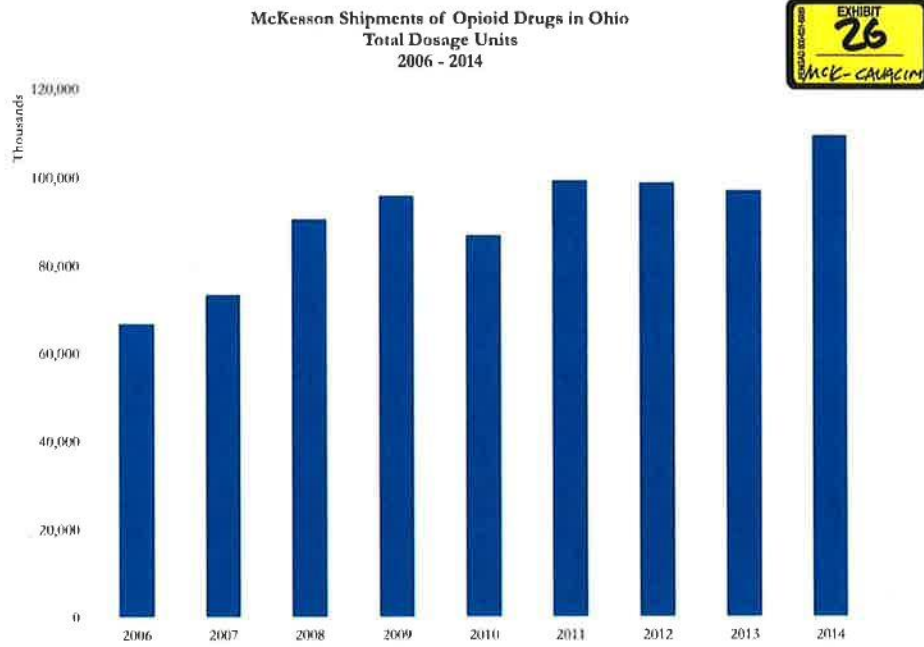
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

McKesson Shipments of Opioid Drugs in United States
Total Dosage Units
2006 - 2014



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CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER



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Appendix E Additional Walgreens Figures and Tables

CONFIDENTIAL

Waggoner Co.
State of New York
County of Sullivan

CONFIDENTIAL - 3/16/2020 BY: TALLMOR

Opioid Shipments to 89463334 by Distributor

2/16/2019

Company	State/Zip	Overheads		Hybrids/Other		Permitting		Regulatory/Other		Usage	MME	12 Drug Family Pharmacy MME in County	Average Pharmacy MME in State	MME Percentage Within State
		Usage	mg	Usage	mg	Usage	mg	Usage	mg					
2016														
Cardinal Health														
Cardinal Health	NY 26001	5,070	67,006	6,202	82,721	65	506	1,420	26,461	18,497	1,076,418			
Waggoner Co		163,200	1,271,652	189,000	766,914	3,329	6,531	0	0	398,320	5,616,099			
Waggoner Co	PA 33478	163,200	1,271,652	189,000	766,914	1,356	6,531	0	0	189,350	2,765,290			
Waggoner Co	1114 43551	0	0	189,000	766,914	0	0	0	0	208,691	853,299			
Total		168,200	1,298,337	196,000	801,635	1,413	6,837	1,420	26,461	496,897	4,844,537	1,796,534	2,505,956	11.63%
2017														
Cardinal Health														
Cardinal Health	NY 26001	6,202	67,317	4,521	26,419	25	250	2,583	13,964	18,329	664,379			
Waggoner Co		192,000	1,786,741	218,000	912,000	1,669	6,144	2,790	17,820	483,340	5,868,156			
Waggoner Co	PA 33478	192,000	1,786,741	218,000	912,000	0	553	0	0	11,895	188,095			
Waggoner Co	1114 43551	182,500	1,796,267	210,200	912,000	1,545	7,681	2,199	17,520	442,535	5,170,140			
Total		199,600	1,843,066	222,700	941,119	1,675	8,384	4,779	31,604	466,669	6,332,534	2,691,719	2,661,187	8.34%
2018														
Cardinal Health														
Cardinal Health	NY 26001	8,300	91,026	3,301	19,239	15	409	390	3,660	14,683	322,653			
Waggoner Co		213,000	2,179,262	223,000	915,300	2,130	14,062	7,050	51,760	522,281	8,433,066			
Waggoner Co	1114 43551	267,100	2,410,340	227,000	934,138	2,468	15,811	1,660	51,760	536,545	8,777,790	3,451,783	3,368,379	6.10%
Total														
Cardinal Health														
Cardinal Health	NY 26001	8,070	116,545	6,349	38,867	25	234	2,070	16,330	30,115	1,408,501			
Waggoner Co		201,070	2,047,020	206,740	1,304,290	2,140	14,210	8,310	63,046	644,290	9,676,215			
Waggoner Co	1114 43551	209,000	2,063,565	204,000	1,297,158	2,363	14,444	10,300	81,206	674,425	11,064,275	2,696,419	2,703,436	4.99%
Total														
Cardinal Health														
Cardinal Health	NY 26001	10,300	109,663	1,080	18,951	8	64	4,831	34,694	18,015	2,162,972			
Waggoner Co		356,840	3,753,420	311,000	1,285,203	2,230	13,047	15,540	129,440	735,960	12,736,738			
Waggoner Co	1114 43551	361,100	3,823,084	316,100	1,304,154	2,235	13,151	20,379	158,134	773,485	14,901,609	3,163,128	3,191,188	3.99%
Total														

EXHIBIT 13
DATE: 12-16-19
E-Compliance Center

- 06 -

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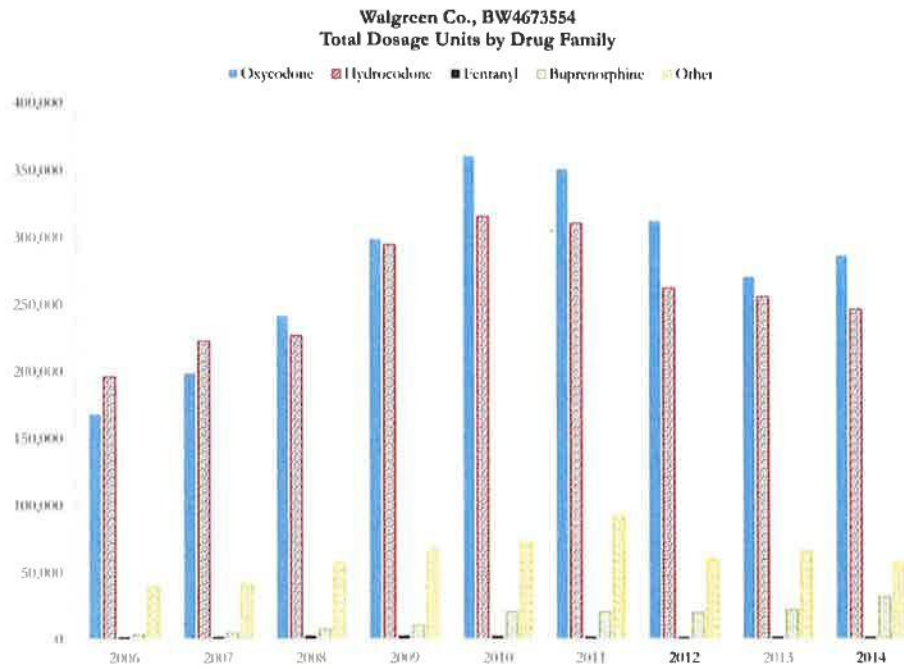
Optical shipments to BW4673584 by Distributor

P-WA(0.1222)

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Journal of Internal Medicine 247: 111–117

Walgreen Co.
5400 Pearl Road
Piquette, OH, 44129

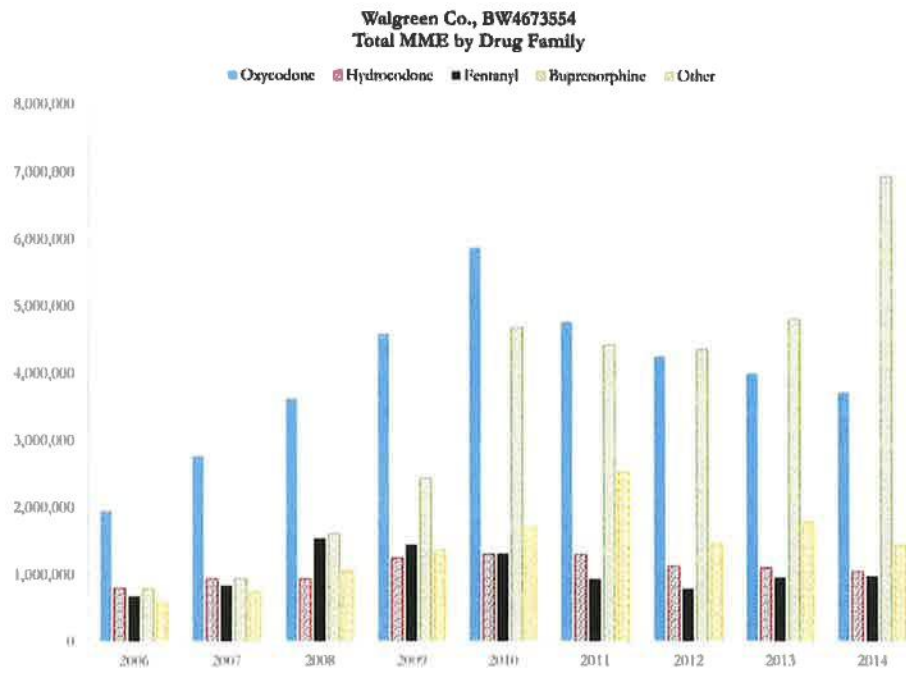
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Walgreen Co.
1400 Pearl Road
Painesville, OH 44130

CONFIDENTIAL - SUBJECT INFORMATION
P.W. AG-1272



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Supra to
DW4147307
Cardinal Health

P-WAG-1272
CARDINAL HEALTH

Opioid Shipments to DW4147307 by Distributor

Company	State/Zip	Oxycodone		Hydrocodone		Fentanyl		Buprenorphine		Dosage	MME	12 Drug Family			
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg			Average Primary MME in County	Average Pharmacy MME in State	MME Percentile Within State	
2006															
Cardinal Health Cardinal Health	WV 26063	7,500	100,000	2,000	20,000	1,000	1,000	1,200	11,700		73,333	911,470			
Walgreen Co. Walgreen Co. Walgreen Co.	TX 75078 TX 75078 TX 75078	219,000 219,000 0	2,190,575 2,190,575 0	206,400 0 0	899,433 0 0	3,400 3,400 0	19,075 19,075 0	0 0 0	0 0 0	0 0 0	86,400 251,500 251,500	6,911,079 3,768,516 954,563			
Total		227,000	2,291,618	209,000	901,832	6,800	21,355	1,200	11,700	0	310,233	7,884,749	1,796,140	2,589,968	1.31%
2007															
Cardinal Health Cardinal Health	WV 26063	11,000	110,117	1,000	10,000	1,000	1,000	1,000	1,000		73,333	911,470			
Walgreen Co. Walgreen Co. Walgreen Co.	TX 75078 TX 75078 TX 75078	211,000 11,000 190,500	2,110,564 110,117 2,210,240	200,000 0 200,000	854,340 0 854,340	3,600 3,600 1,100	18,967 18,967 10,500	0 0 0	0 0 0	0 0 0	86,400 111,500 863,500	6,911,079 111,500 6,060,607			
Total		222,000	2,220,681	211,000	864,340	4,032	18,554	1,000	11,700	0	899,000	7,595,248	2,053,718	2,863,107	3.66%
2008															
Cardinal Health Cardinal Health	WV 26063	9,000	90,000	1,000	10,000	1,000	1,000	1,000	1,000		73,333	911,470			
Walgreen Co. Walgreen Co.	TX 75078 TX 75078	241,000 0	2,410,569 0	241,000 0	971,811 0	2,000 0	10,000 0	0 0	0 0	0 0	86,400 86,400	6,911,079 6,911,079			
Total		249,000	2,410,569	242,000	971,811	3,000	11,000	1,000	11,700	0	169,733	13,693,548	2,151,762	3,064,470	3.48%
2009															
Cardinal Health Cardinal Health	WV 26063	9,000	90,000	1,000	10,000	1,000	1,000	1,000	1,000		73,333	911,470			
Walgreen Co. Walgreen Co.	TX 75078 TX 75078	241,000 0	2,410,569 0	241,000 0	971,811 0	2,000 0	10,000 0	0 0	0 0	0 0	86,400 86,400	6,911,079 6,911,079			
Total		249,000	2,410,569	242,000	971,811	3,000	11,000	1,000	11,700	0	169,733	13,693,548	2,151,762	3,064,470	3.48%
2010															
Cardinal Health Cardinal Health	WV 26063	9,000	90,000	1,000	10,000	1,000	1,000	1,000	1,000		73,333	911,470			
Walgreen Co. Walgreen Co.	TX 75078 TX 75078	241,000 0	2,410,569 0	241,000 0	971,811 0	2,000 0	10,000 0	0 0	0 0	0 0	86,400 86,400	6,911,079 6,911,079			
Total		249,000	2,410,569	242,000	971,811	3,000	11,000	1,000	11,700	0	169,733	13,693,548	2,151,762	3,064,470	3.48%

0.00%

Walgreen Co.
Walgreen Retail Corp.
Walgreen Retail Corp.

P-Walgreen-1272

Opioid Shipments to BW4147807 by Distributor

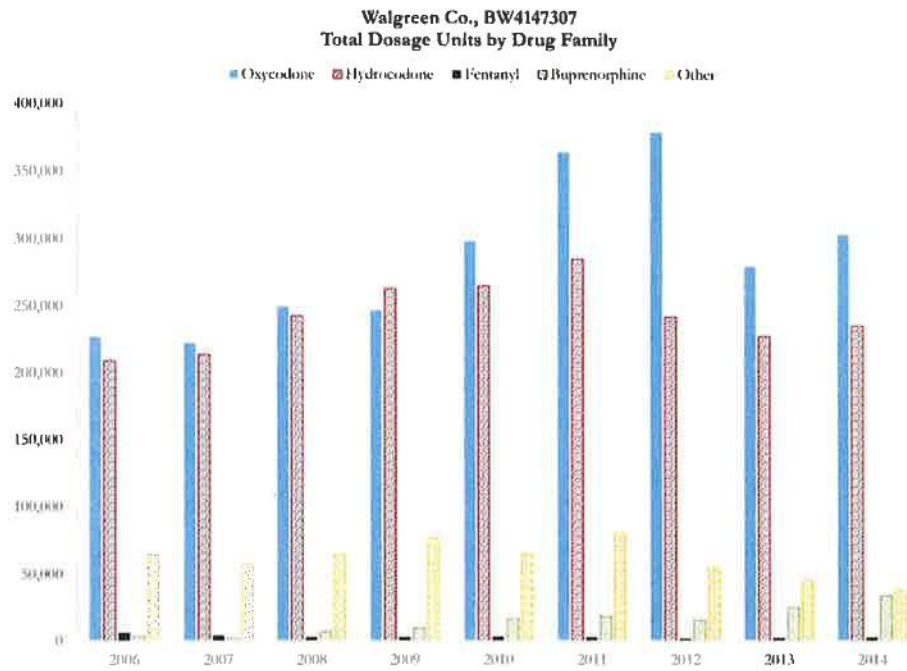
(in thousands)

Company	State / Zip	Oxycodone		Hydrocodone		Fentanyl		Buprenorphine		Dosage	MME	12 Drug Family			MME Per Prescriber Within State
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg			Average Pharmacy MME in County	Average Pharmacy MME in State	Percentage	
2011															
Cardinal Health	NC 27603	1,798	85,449	2,180	103,313	0	0	30,990	63,349	33,336	3,040,331				
Walgreen Co.	OH 43115	195,000	9,248,343	282,180	1,346,739	2,640	13,313	9,362	36,188	116,243	10,172,911				
Total		164,600	9,333,790	284,360	1,450,052	2,680	14,433	18,752	156,120	351,568	13,857,242	1,471,742	1,448,131	5.24%	
2012															
Cardinal Health	NC 27603	1,800	86,867	1,790	103,113	0	0	31,124	63,940	23,833	2,140,096				
Walgreen Co.	OH 43115	171,000	8,171,393	258,230	1,246,436	3,600	18,112	9,362	42,879	116,180	9,135,241				
Total		172,800	8,249,776	242,020	1,193,551	1,660	2,659	15,486	116,160	693,045	11,615,300	1,091,512	1,481,656	6.95%	
2013															
American Drug Distributors	OH 43115	195,000	9,248,343	282,180	1,346,739	2,640	13,313	9,362	36,188	116,243	10,172,911				
Cardinal Health	NC 27603	1,800	86,867	1,790	103,113	0	0	31,124	63,940	23,833	2,140,096				
Walgreen Co.	IL 62564	171,000	8,171,393	258,230	1,246,436	3,600	18,112	9,362	42,879	116,180	9,135,241				
Walgreen Co.	OH 43115	171,000	8,171,393	258,230	1,246,436	3,600	18,112	9,362	42,879	116,180	9,135,241				
Total		378,000	18,414,036	540,410	2,593,175	2,190	30,668	34,952	178,771	360,816	12,099,680	1,816,673	1,608,585	6.80%	
2014															
American Drug Distributors	OH 43115	195,000	9,248,343	282,180	1,346,739	2,640	13,313	9,362	36,188	116,243	10,172,911				
Cardinal Health	NC 27603	1,800	86,867	1,790	103,113	0	0	31,124	63,940	23,833	2,140,096				
Walgreen Co.	IL 62564	171,000	8,171,393	258,230	1,246,436	3,600	18,112	9,362	42,879	116,180	9,135,241				
Walgreen Co.	OH 43115	171,000	8,171,393	258,230	1,246,436	3,600	18,112	9,362	42,879	116,180	9,135,241				
Total		378,000	18,414,036	540,410	2,593,175	7,240	36,225	38,750	178,771	360,816	12,099,680	1,816,673	1,608,585	6.80%	
2006-2014 AVERAGE															
		165,811	8,012,670	242,668	1,193,551	1,660	13,075	15,557	116,007	693,718	11,615,300	1,091,512	1,481,656	6.86%	

(in thousands)

Walgreen Co.
16001 Lorain Ave
Cleveland, OH 44111

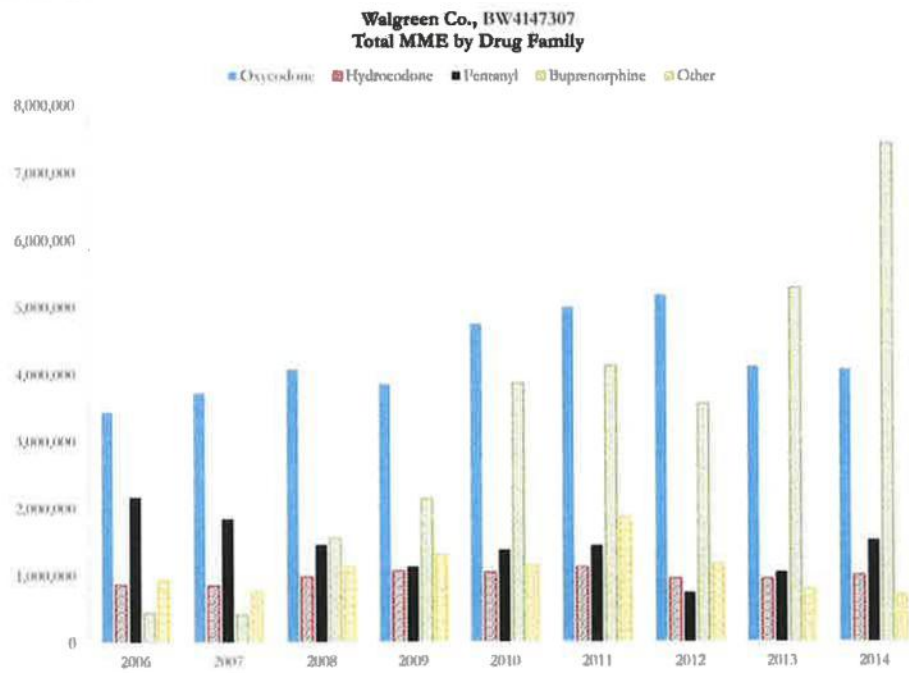
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BWAG-1272



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Walgreen Co.
1000 Lorain Ave.
Cleveland, OH, 44111

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B-WAG-1272



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Wagoner Co.
11/14/2019
1/10/2020

P-WAG-1272

Opioid Shipments to HW670485 by Distributor

(in kg)

Company	State / Zip	Oxycodone		Hydrocodone		Fentanyl		Buprenorphine		Dosage	12 Drug Family		Average Pharmacy MME in County	Average Pharmacy MME in State	MSM Percentage Within State
		Dosage	mg	Dosage	mg	Dosage	mg	Dosage	mg		MME	Pharmacy MME in County			
2006															
Cardinal Health															
Cardinal Health	NC 2600	3,000	97,627	2,340	15,390	63	980	1,900	28,860		1,1673	1,121,230			
Wagoner Co.		183,100	1,666,727	182,600	764,053	1,950	12,920	0	0		425,330	5,427,093			
Wagoner Co.	TX 31476	183,100	1,666,727	0	0	1,950	12,920	0	0		216,690	3,536,339			
Wagoner Co.	TX 31476	0	0	182,600	764,053	0	0	0	0		208,640	466,756			
Total		186,100	1,764,354	184,940	779,443	2,013	13,900	0	28,860		419,533	6,508,315	1,796,128	1,589,988	6.27%
2007															
Cardinal Health															
Cardinal Health	NC 2600	3,000	87,106	3,900	17,790	3	51	2,300	31,000		13,897	733,300			
Wagoner Co.		176,900	1,526,762	191,000	818,117	1,900	9,910	0	0		410,720	5,598,358			
Wagoner Co.	TX 31476	176,900	1,526,762	0	0	1,900	9,910	0	0		13,510	259,131			
Wagoner Co.	TX 31476	0	0	191,000	818,117	0	0	0	0		410,720	5,598,358			
Total		182,900	1,573,829	194,900	826,099	1,263	9,961	0	31,000		444,117	6,353,128	2,051,219	1,863,107	7.90%
2008															
Cardinal Health															
Cardinal Health	NC 2600	3,000	88,111	300	2,092	50	662	1,700	23,800		6,600	490,600			
Wagoner Co.		176,100	1,511,100	191,000	818,117	1,700	9,988	0	0		410,720	5,598,358			
Wagoner Co.	TX 31476	176,100	1,511,100	0	0	1,700	9,988	0	0		13,510	259,131			
Total		181,100	1,599,211	191,300	820,217	1,250	10,650	0	23,800		410,720	5,857,489	2,051,219	1,863,107	7.37%
2009															
Cardinal Health															
Cardinal Health	NC 2600	3,000	87,106	3,900	17,790	3	51	2,300	31,000		13,897	733,300			
Wagoner Co.		176,900	1,526,762	191,000	818,117	1,900	9,910	0	0		410,720	5,598,358			
Wagoner Co.	TX 31476	176,900	1,526,762	0	0	1,900	9,910	0	0		13,510	259,131			
Total		180,900	1,573,829	194,900	826,099	1,253	10,651	0	31,000		410,720	5,857,489	2,051,219	1,863,107	7.37%
2010															
Cardinal Health															
Cardinal Health	NC 2600	3,000	87,106	3,900	17,790	3	51	2,300	31,000		13,897	733,300			
Wagoner Co.		176,900	1,526,762	191,000	818,117	1,900	9,910	0	0		410,720	5,598,358			
Wagoner Co.	TX 31476	176,900	1,526,762	0	0	1,900	9,910	0	0		13,510	259,131			
Total		180,900	1,573,829	194,900	826,099	1,253	10,651	0	31,000		410,720	5,857,489	2,051,219	1,863,107	7.37%

Sheet1

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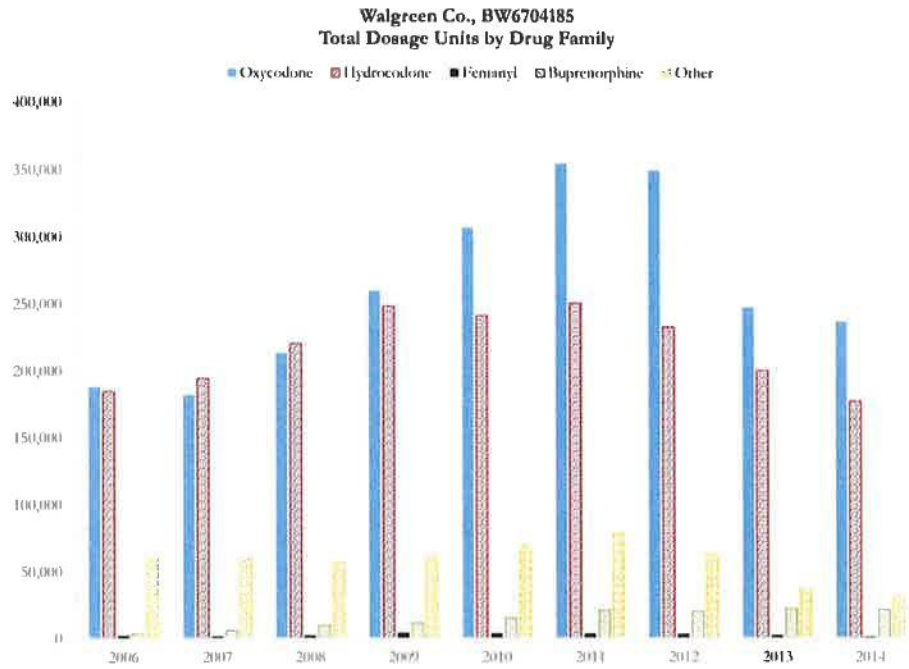
Opioid Shipments to HW6704185 by Distributor
2006-2018

Company	State/Zip	Oxycodone		Hydrocodone		Fentanyl		Buprenorphine		Doseage	MMF	12 Drug Family		
		Doseage	mg	Doseage	mg	Doseage	mg	Doseage	mg			Average Pharmacy MMF in County	Average Pharmacy MMF in State	MMF Percentile Within State
2011														
Cardinal Health	WV 26003	2,790	81,687	11,200	9,273	15	686	9,790	77,360	32,789	3,371,006			
Walgreen Co	081 03531	352,500	3,307,969	289,089	1,087,909	3,325	29,781	12,006	76,980	878,718	11,490,989			
Total		355,000	3,389,056	290,289	1,046,263	3,340	30,467	21,796	154,340	705,122	14,907,095	3,271,742	6,408,433	8.80%
2012														
Cardinal Health	WV 26003	1,290	50,602	700	150,2	150	800	7,362	69,580	14,012	2,706,354			
Walgreen Co	081 03531	146,500	3,912,755	253,089	1,040,260	3,375	17,191	10,012	85,000	643,187	11,270,000			
Total		150,000	3,863,357	253,789	1,040,260	3,325	17,991	20,264	154,580	607,199	13,019,354	3,091,312	3,301,656	8.80%
2013														
American Pain Relief Drug	081 03537	171,400	1,653,117	3,700	36,192	3,300	9,000	3,600	45,560	201,650	3,995,152			
Cardinal Health	WV 26003	15,340	136,201	12,700	6,601	350	2,100	3,000	19,100	41,286	1,090,001			
Walgreen Co	081 03531	80,700	371,391	195,650	850,541	410	3,335	11,426	100,000	263,601	4,795,144			
Total		247,440	2,160,709	211,050	913,334	1,110	5,435	14,026	154,660	506,137	10,000,297	3,396,621	1,668,585	7.12%
2014														
American Pain Relief Drug	081 03531	246,900	1,271,617	1,140,000	991,600	1,070	6,862	30,017	334,311	423,907	10,007,942			
Walgreen Co	081 03531	10	0	100	2,270	10	10	180	1,000	1,000	17,000			
Total		246,910	1,271,617	1,140,100	993,870	1,080	6,872	30,197	335,311	424,907	10,024,942			
2006-2018 AVERAGE														
		300,011	2,185,409	210,800	922,596	2,060	14,568	18,317	180,448	551,622	10,614,061	2,712,312	3,365,998	8.87%

01/18/2019

Walgreen Co.
11701 Detroit Ave
Fairwood, OH, 44109

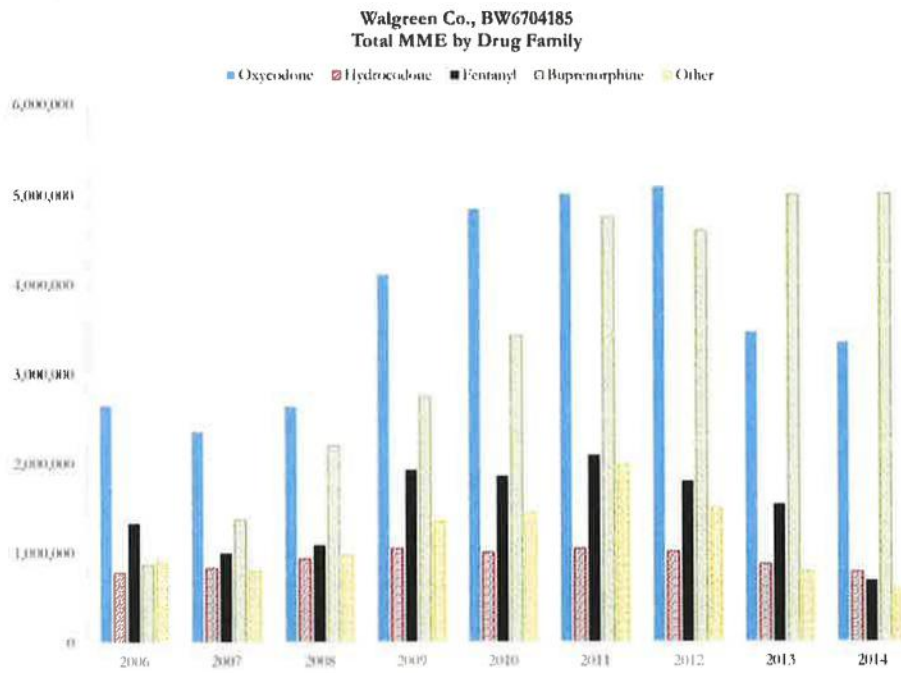
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P.W.02.1772



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Walgreen Co.
1170 Drom Ave
Lakewood, OH, 44107

P.W.A.G-1272
CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER



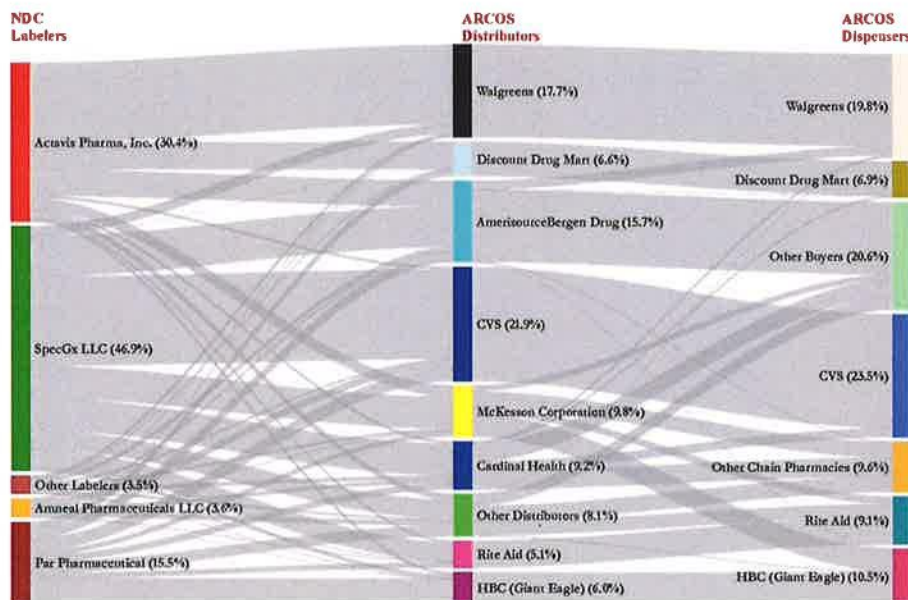
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Appendix F Opioid Flows

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Hydrocodone Distribution into Cuyahoga, OH

ARCOS data 2006-2014

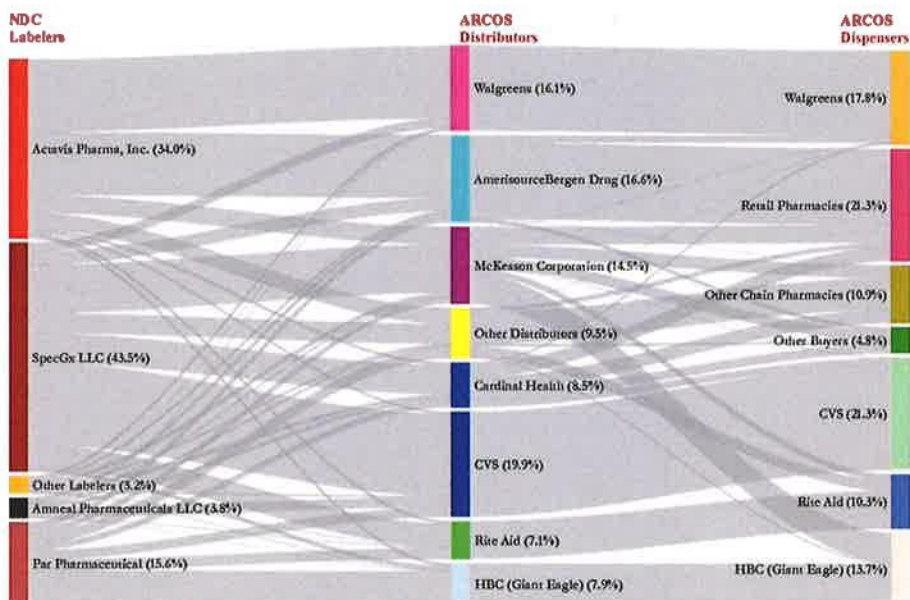


	Market Share	Dosage Units
Other Labelers include		
AbbVie Inc.	1.30%	2,199,300
Others with less than 1% market share	2.19%	3,702,382
Other Distributors include		
Wal-Mart	2.74%	4,632,900
Eckerd Corporation	2.57%	4,343,710
Others with less than 1% market share	2.77%	4,684,474
Other Buyers include		
Closed Door	8.73%	14,773,967
Retail Pharmacy	6.94%	11,744,840
Hospital	4.45%	7,534,762
Practitioner	0.45%	763,975
Mail Order	0.03%	50,450
Researchers/Analytical Labs	0.00%	1,100
Other Chain Pharmacies include		
Mare's	4.92%	8,324,210
Wal-Mart	2.87%	4,859,810
Target Stores	1.05%	1,778,980
Kmart	0.45%	768,210
Costco	0.24%	408,800
Tops Markets	0.11%	184,600

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Hydrocodone Distribution into Summit, OH

ARCOS data 2006-2014

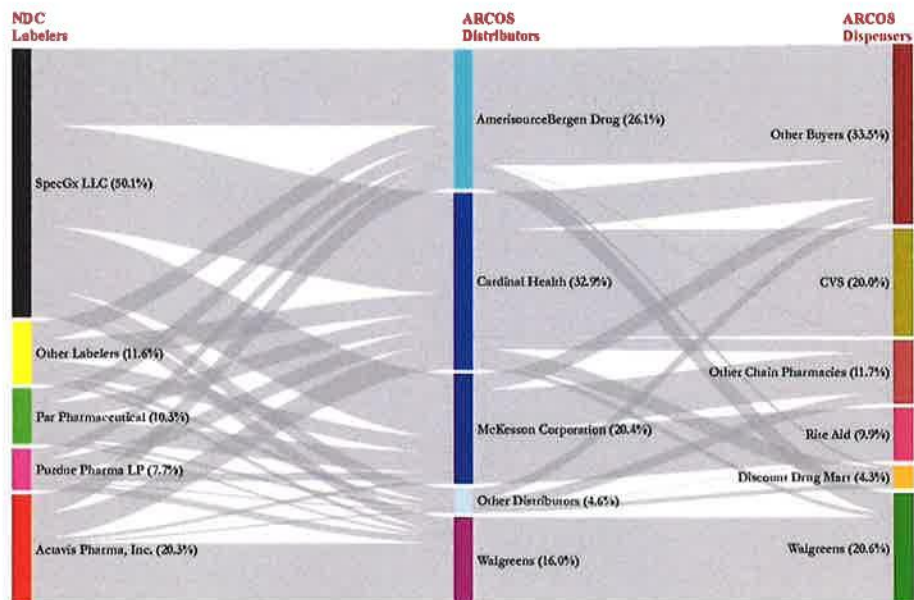


	Market Share	Dosage Units
Other Labelers include		
AbbVie Inc.	1.22%	1,384,000
Others with less than 1% market share	1.97%	2,231,291
Other Distributors include		
Discount Drug Mart	2.88%	3,260,110
Wal-Mart	2.79%	3,148,700
Beckers Corporation	2.00%	2,263,820
Others with less than 1% market share	1.79%	2,022,365
Other Buyers include		
Hospital	3.45%	3,893,099
Closed Door	0.84%	945,610
Mail Order	0.40%	453,270
Practitioner	0.17%	188,026
Other Chain Pharmacies include		
Mart's	4.04%	4,563,570
Discount Drug Mart	3.00%	3,386,760
Wal-Mart	2.89%	3,268,500
Target Stores	0.81%	916,280
Top Markets	0.08%	92,100
Kmart	0.07%	82,200

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Oxycodone Distribution into Cuyahoga, OH

ARCOS data 2006-2014

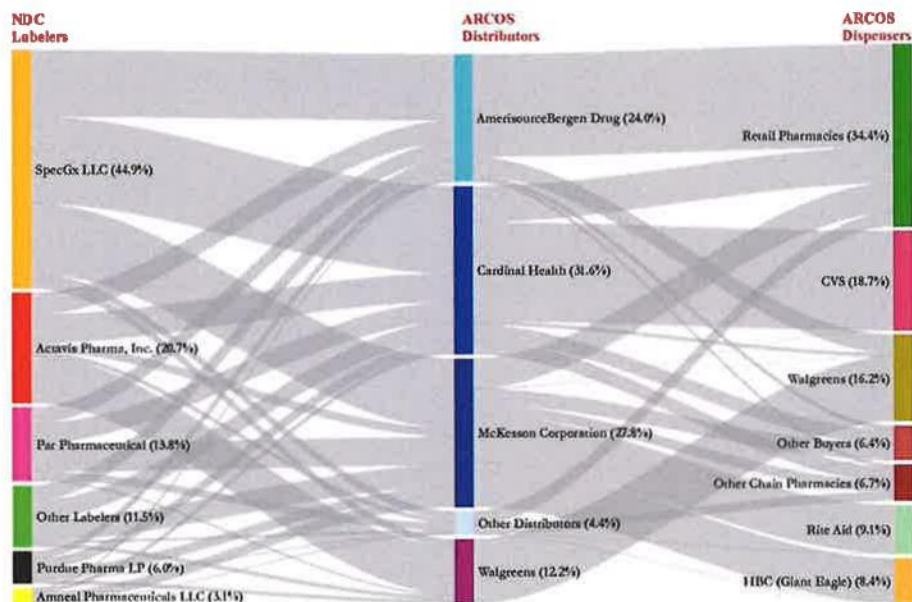


	Market Share	Dosage Units
Other Labelers include		
KVK-Tech, Inc.	2.23%	4,883,000
Amneal Pharmaceuticals LLC	2.19%	4,793,200
West-Ward Pharmaceuticals Corp.	1.29%	2,837,300
Endo Pharmaceuticals, Inc.	1.17%	2,575,200
Others with less than 1% market share	4.76%	10,448,239
Other Distributors include		
Wal-Mart	1.86%	4,070,600
Prescription Supply Inc	1.04%	2,285,100
Others with less than 1% market share	1.71%	3,741,512
Other Buyers include		
Hospital	14.30%	31,378,058
Retail Pharmacy	11.69%	25,643,580
Closed Door	7.51%	16,469,040
Mail Order	0.04%	94,350
Practitioner	0.00%	6,400
Researchers/Analytical Labs	0.00%	194
Other Chain Pharmacies include		
HBC (Giant Eagle)	5.25%	11,507,320
Marc's	3.20%	7,016,800
Wal-Mart	1.91%	4,191,600
Target Stores	0.71%	1,549,820
Kmart	0.34%	740,800
Costco	0.21%	459,500
Tops Markets	0.13%	282,100

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Oxycodone Distribution into Summit, OH

ARCOS data 2006-2014



	Market Share	Dosage Units
Other Labelers include		
KVK-Tech, Inc.	2.85%	3,394,200
Endo Pharmaceuticals, Inc.	1.60%	1,903,400
Mylan Pharmaceuticals, Inc.	1.29%	1,534,000
Teva Pharmaceuticals USA, Inc.	1.12%	1,336,297
Others with less than 1% market share	4.68%	5,573,634
Other Distributors include		
Miami-Luken	1.79%	2,133,400
Wal-Mart	1.54%	1,827,700
Others with less than 1% market share	1.03%	1,228,131
Other Buyers include		
Hospital	4.45%	5,294,115
Closed Door	1.68%	2,003,340
Mail Order	0.32%	376,100
Practitioner	0.00%	3,501
Other Chain Pharmacies include		
Marc's	2.49%	2,961,820
Discount Drug Mart	1.97%	2,350,500
Wal-Mart	1.58%	1,881,000
Target Stores	0.60%	719,820
Top's Markets	0.07%	87,200
Kmart	0.03%	32,200